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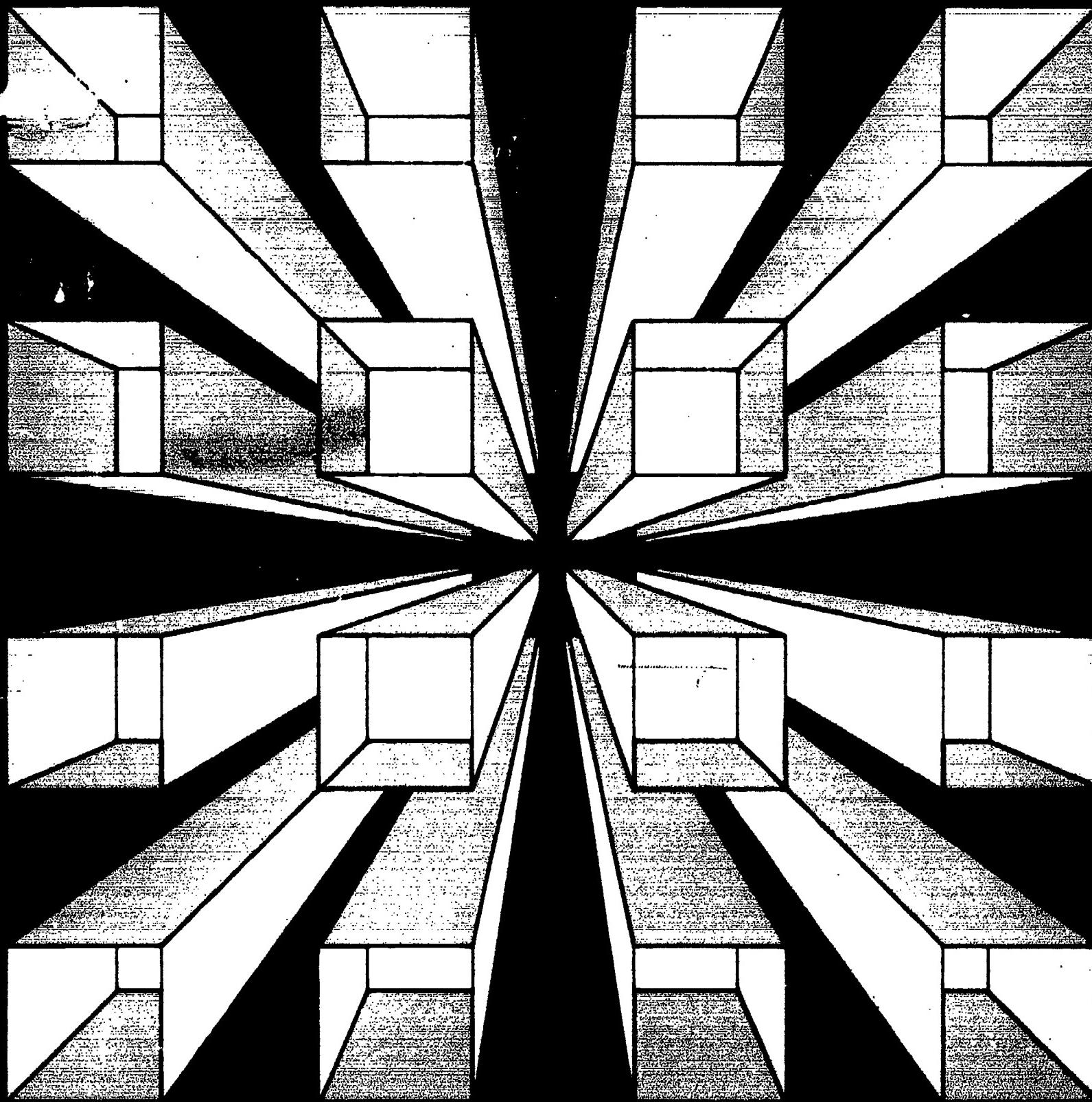
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                Government Libraries; \*Government Publications;  
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                \*National Audiovisual Center

IDENTIFIERS

ABSTRACT

Containing 4,500 items available for sale and/or rent, this catalog lists 16mm films, motion cartridges, audiodiscs, audiotapes, slide sets, and film strips available through the National Audiovisual Center of the General Services Administration. The materials are listed in subject order, in alphabetical title order, and by producer code. In addition, information is provided on the use of the catalog and on the procedures for renting or purchasing items listed. (DGC)

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**A Catalog of  
United States  
Government Produced  
Audiovisual Materials**

1974

BEST COPY AVAILABLE

**Gerald R. Ford**  
*President of the United States*

**Arthur F. Sampson**  
*Administrator of General Services*

**National Archives Trust Fund Board**  
**James B. Rhoads**  
*Archivist of the United States*

**Gale W. McGee**  
*Chairman, Senate Post Office and  
Civil Service Committee*

**Thaddeus J. Dulski**  
*Chairman, House Post Office and  
Civil Service Committee*

**A Catalog of  
United States  
Government Produced  
Audiovisual Materials  
1974**

National Audiovisual Center  
National Archives and Records Service  
General Services Administration  
Washington, DC 20409

**Inquiries concerning this catalog should be directed to:**  
**Information Branch**  
**National Audiovisual Center (GSA)**  
**Washington, DC 20409**

**Telephone: Area code 301/763-7420**

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# I. Introduction

The National Audiovisual Center was established in 1969 in the National Archives and Records Service, General Services Administration, to provide Government agencies and the general public with a central information, loan, sales, and rental service for audiovisual materials - instructional or promotional - produced by or for executive agencies.

The Center's reference service helps the public to know what Federal audiovisual materials are distributed through the Center, other Federal agencies, or nongovernment services.

The Center's distribution service loans, rents and sells audiovisual materials placed with them by Federal agencies. This Catalog contains 4,500 audiovisual materials available for sale and/or rental.

# II. Catalog Format and Use

## A. NEW CATALOG FORMAT

The catalog has been reorganized with all new categories and subject headings. The new format includes:

### 1. Guide to subject section

The handiest method of determining the actual subject heading the catalog uses that contains your specific area of interest.

#### HISTORY

Aviation, History  
Marine, History  
Space Programs, History

#### HITLER, ADOLF

History, World War II  
Humanities, Biography

### 2. Subject section

This section contains all titles in alphabetical order listed under appropriate categories and subject headings.

#### HUMANITIES

#### BIOGRAPHY

\*AFTER THE ACCIDENT  
\*AIR FORCE NOW, THE, NO. 07  
AIR POWER AND THE MAN  
\*BEYOND THIS WINTER'S WHEAT  
CHARLEY RUSSELL'S FRIENDS  
\*COWBOY  
\*COWBOY LEGEND  
\*DR. DRAGSTEDT  
\*DR. HASTINGS  
\*DR. HUGGINS  
\*DR. MCDERMOTT  
\*DR. WANGENSTEEN  
\*DR. WOOD  
DREAM THAT WOULDN'T DOWN, THE  
FACES OF AMERICA

USSRS	
USAF	
USAF	
USIA	
USIA	
USIA	
USIA	
USNMAC	
USNASA	
USIA	

\* INDICATES NEW ENTRY

### 3. Title section

A main TITLE SECTION with title entries in alphabetical order provides all the information that pertains to a particular title.

#### \*APOLLO 17 - ON THE SHOULDERS OF GIANTS

29min, 16mm film, optical sd, col

1973

Producer USNASA

Agency No. HQ 227

Title No. 001992

Sale \$121.25

Presents a documentary of the Apollo 17 journey to Tauranga, the final lunar landing mission. In addition to depicting the major events of the mission, key scientists and space program officials briefly describe the work going on in preparation for the Skylab, the US/USSR link up, and Space Shuttle programs of the future.

\* INDICATES NEW ENTRY

### 4. Media format codes

In the SUBJECT SECTION, all titles that are not 16mm films are immediately followed by one of the following codes:

MC	= motion cartridge
RD	= audiodisc
RT	= audiotape
SL	= slide set
FS	= filmstrip

In the TITLE SECTION, the specific format is identified as part of the material's physical description.

### 5. Title and agency numbers

Every entry in the catalog has been assigned a distinct title number. Many entries in the catalog have been assigned an agency number. These are the two most important numbers that are used to identify materials.

Use the TITLE NUMBER always.

Use the AGENCY NUMBER whenever listed.

### 6. Series

Materials in a series are listed in the TITLE SECTION under the series title. The components of a series are also listed individually if they can be purchased or rented separately; this entry will indicate "From the . . . series."

## 7. New entries

New entries not listed in previous catalogs are preceded by an asterisk (\*) in both the SUBJECT and TITLE SECTIONS.

## 8. Supplement

Supplements will be published periodically and will contain all new materials accumulated since the publication of the most recent basic catalog.

## B. HOW TO USE THE CATALOG

There are at least 3 ways to use this catalog:

1. By title: If you have a specific title in mind, look directly in the TITLE SECTION.

2. By subject: The following example will illustrate the normal method of searching by subject:

Area of interest: Auto Repair. You would look in the GUIDE TO THE SUBJECT SECTION under Auto Repair and find:

### AUTO REPAIR

Industrial Arts, Automotive  
Maintenance

You would then look up the heading in the SUBJECT SECTION and find

### INDUSTRIAL ARTS

#### AUTOMOTIVE MAINTENANCE

*AIR BRAKES PRINCIPLES OF OPERATION	USA
AUTOMOBILE ELECTRICITY FOR MILITARY VEHICLES, PT 2, PRINCIPLES OF OPERATION OF THE GENERATOR	USA
AUTOMOTIVE ELECTRICITY FOR MILITARY VEHICLES, PT 3, PRINCIPLES OF THE STARTING MOTOR	USA
AUTOMOTIVE ELECTRICITY FOR MILITARY VEHICLES, PT 4, THE IGNITION CIRCUIT	USA

### INDUSTRIAL ARTS

#### AUTOMOTIVE MAINTENANCE - (Continued)

AUTOMOTIVE TROUBLE SHOOTING,	
PT 2, ENGINE TUNE-UP	USA
BATTERY, IGNITION AND ELECTRICAL SYSTEM, THE	USOE
BUS CARE AND MAINTENANCE	USOE
CARBURETOR, PRINCIPLES OF OPERATION	USA
CLUTCH AND HAND BRAKE, THE	USOE
COOLING SYSTEM AND FUEL SYSTEM, THE	USOE
ENGINE ASSEMBLY	USOE
ENGINE ASSEMBLY (SPANISH)	USOE
ENGINE TESTS AND TUNE UP	USOE
FLUID COUPLING, THE PRINCIPLES OF OPERATION	USA
HYDRAULIC BRAKE SYSTEM, THE	USOE
HYDRAULIC CONTROLS IN THE HYDRAMATIC TRANSMISSION	USA
HYDRAULIC STEERING, PRINCIPLES OF OPERATION	USA
INSPECTING AND ADJUSTING HYDRAULIC BRAKES	USOE

\* INDICATES NEW ENTRY

the alphabetically listed SUBJECT SECTION will contain all those titles appropriate to your area of interest.

When you select a title or titles you then look up the descriptions in the alphabetically listed TITLE SECTION.

#### \*AIR BRAKES - PRINCIPLES OF OPERATION

25min, 16mm film, optical sd, b&w

1968  
Agency No. TF-9-3845

Producer USA

Title No. 003092

Sale \$52.50

Illustrates design and functions of components of air brakes system used in large military vehicles-operation of system when brake pedal is depressed and released.

\* INDICATES NEW ENTRY

3. By browsing: Consult the OUTLINE OF SUBJECT HEADINGS and choose headings of interest. Look these up in the SUBJECT SECTION where applicable titles will be listed under the subject headings. Detailed information on selected titles of interest may be found in the TITLE SECTION.

# **III. How to Rent or Purchase Material**

## **A. ALL ORDERS**

All requests must contain the following information in order to be processed:

1. Title number
2. Title
3. Agency number, if listed
4. Date, with 1 or more alternate dates, if a rental request; number of prints, if a sale request
5. Complete shipping address
6. Complete billing address, if different from shipping
7. Complete telephone number
8. Remittance for all necessary prepaid charges

**AS IN ANY ORDERING PROCESS, THE MORE ACCURATE AND DETAILED YOUR ORDER IS THE LESS LIKELIHOOD OF PROBLEMS.**

Make all checks payable to "National Archives Trust Fund (NAC)."

If you want sales information only, address:

Sales Branch  
National Audiovisual Center (GSA)  
Washington, DC 20409  
Telephone 301/763-5500

If you want rental information only, address:

Rental Branch  
National Audiovisual Center (GSA)  
Washington, DC 20409  
Telephone 301/763-7786

If you want general information, address:

Reference Branch  
National Audiovisual Center (GSA)  
Washington, DC 20409  
Telephone 301/763-7420

## **B. SOME SPECIFICS ABOUT PURCHASES**

### **1. Accompanying material**

The National Audiovisual Center can generally provide only one copy of accompanying materials, such as study guides or teacher guides. Requests for additional copies (if available) will be directed to the supplying source.

### **2. Replacement footage**

When ordering film to replace damaged portions of previously purchased motion pictures, specify the exact number of running feet needed. Measure either from the first frame of the main title or from the last frame of the end title, indicating method used. Most replacement footage will be charged at the following prices:

	Price (per ft.)	Minimum charge (per section)
Black and white, 16mm	\$ .10	\$10.00
Color, 16mm	.15	15.00

Prices for other replacement materials are available upon request.

### **3. Cancellation**

Materials shipped on the basis of an official purchase order as a sale item, may not be returned to the Center without prior approval from the Center.

### **4. Confirmation sales**

If a sale print is in stock, you will be notified by mail of the date the material will be shipped.

If a sale print is not in stock and must be made for you, which is true of most 16mm films, you will receive a confirmation that contains your order identification number and approximate shipping date. Use the Center's order number in all correspondence about your order.

**5. Prepaid charges**

All sales purchases under \$10.

All charges for special handling.

**6. Prices**

Subject to change without notice.

**C. SOME SPECIFICS ABOUT RENTALS**

**1. Rent-to-purchase plan**

Most rental films can be purchased on a "rental-applied-to-purchase" basis. The most recent rental charge paid by the user may be applied to the purchase price within 90 days of the rental invoice date. The procedure is as follows:

- a. Subtract the rental charge from the sale price and show the subtraction and balance on the purchase order.
- b. Attach a copy of the rental invoice to the purchase order.
- c. Return the rental print and you will receive a new print.
- d. Pay the rental invoice as a separate transaction.
- e. Mail the purchase order to the Sales Branch, National Audiovisual Center (GSA), Washington, DC 20409.

The Center will provide specific information, on request, for any film that does not have a posted rental charge.

**2. Accompanying materials**

The National Audiovisual Center can generally provide only 1 copy of accompanying materials, such as study guides or teacher guides. If additional copies have been made available to the Center, they will be passed on to the customer. Requests for additional copies (if available) will be directed to the supplying source.

**3. Fees and charges**

Rental rates

Period	Rate
3 days	Indicated rate
1 week	1½ times indicated rate
2 weeks	2 times indicated rate
4 weeks	3 times indicated rate

- b. Rentals for periods between the indicated periods will be billed at the next higher rate.
- c. Prepayment will expedite all orders.
- d. User pays return postage.

- e. Users will be billed overdue rates for films kept after the return date indicated on the booking notice.
- f. Make all checks payable to "National Archives Trust Fund (NAC)."
- g. Any special charges for handling or shipping will be paid by the user.

**4. Cancellation**

If it is necessary to cancel a scheduled rental, the Center must receive telephone or written notice 1 week before the shipping date noted on the booking notice. Otherwise the customer will be responsible for the rental fee and special shipping charges, if any.

**5. Damaged or lost films**

Users must pay all charges incurred for films lost or damaged while in their possession.

**6. Confirmation-rental**

If the film is available for rental on the date requested, a numbered confirming booking notice will be sent. Cite the number of this notice in any further inquiries concerning the booking.

**7. Shipment and return of materials**

The Center ships via parcel post within the United States. Any change in this method must be requested and paid for by the user.

Requests from outside the continental United States will be filled whenever possible. Extra charges are assessed the user for shipment.

**8. All films must be rewound on the original reel and shipped back in the original container.**

**9. Prices**

Subject to change without notice.

**D. ORDERS FROM FOREIGN COUNTRIES**

**1. Payment in advance in U.S. currency is required for all orders from foreign countries. Letters of credit are not accepted. Payment must be made by check drawn on an American bank or by international money order. A proforma invoice can be provided.**

**2. Foreign users pay all shipping charges. Indicate specific method of shipment desired when requesting a proforma invoice.**

**E. MEDIA CONVERSION SERVICE**

For customers interested in purchasing our materials in formats other than 16mm, the Center will provide price quotations for converting 16mm to any desired format.

## **F. PREVIEWS**

When available the Center will provide prospective purchasers with a preview print. If the Center is not authorized to maintain preview prints of a certain title, it will make every effort to refer the user to a loan source.

## **G. AVAILABLE MATERIAL NOT LISTED IN THE CATALOG**

The Center is constantly adding to its inventory of materials. Many of its titles listed as 16mm are also available in other formats as well as new titles in formats, such as, videocassettes, super 8mm, and slides.

The Center invites your inquiry for specific titles not listed in the catalog.

## **H. RESTRICTIONS ON SALE OR RENTAL MATERIALS**

- 1. Limited use:** Titles marked with restrictions such as "professionally interested groups only" have been so designated by the producing agency and prints will be rented or sold only as indicated.
- 2. TV clearance:** Where known, the type of TV clearance is indicated.
- 3. Commercial use:** The Government may not have full rights to the films it distributes. Rental or sale does not constitute authorization for reproduction, showing for profit, or use of the film in any manner other than in its original form, or as may otherwise be stated in the Center's catalog.

**4. Alterations:** Users are prohibited from editing or otherwise mutilating any rental prints.

**5. Department of Defense (DOD) film availability:** Many DOD titles are available on free loan to users from DOD components. If a particular title is required for a specific date and is not available from a DOD component for that date, the Center is authorized to rent any DOD motion picture cleared for public exhibition. However, the Center's rental holdings contain only a limited number of DOD titles and prints.

Some DOD films are marked as follows:

- a. Historical** — Titles that contain policy information no longer current in DOD are marked as follows: "This film is considered of historical value and does not necessarily reflect current policy or plans of the sponsoring agency."
- b. Obsolete** — Titles that show procedures no longer current in DOD are marked as follows: "This film has been declared obsolete for use within the sponsoring agency."
- 6. USIA FILMS:** All films produced by the U.S. Information Agency have been withdrawn from rental and sale by the sponsor under Public Law 92-352.
- 7. Withdrawn, out-of-print:** Titles showing "W/DRAWN" (withdrawn) in place of a sale or rental price indicate that this title has been removed from the Center's respective program by the sponsoring agency.

Titles showing "O/PRINT" (out-of-print) in the sale price area are not readily available but are still in the Center's program. Write for availability and price information.

# IV. Outline of Subject Headings

## AGRICULTURE

Crops  
Farm Maintenance  
Farm Work  
Horticulture  
International Relations  
Livestock  
Meat  
Plant Science  
Soil Conservation

## ATOMIC ENERGY

Application  
Biology and Medicine  
Engineering  
Fabrication  
Radioisotope  
Reactor  
Research  
Safety, Waste Disposal and Monitoring  
Weapon

## AVIATION

Aircraft  
Air Defense  
Air Traffic Control  
Air Warfare  
Facilities  
Flight Training  
Flying Exhibitions and Competitions  
Helicopters  
History  
Inspection and Maintenance  
Navigation  
Repair  
Research and Development  
Search and Rescue

## BIOLOGY

Anatomy  
Biochemistry  
Cytology  
Ecology  
Embryology  
Entomology  
Heredity  
Laboratory  
Marine  
Microbiology  
Natural Resources  
Primatology  
Zoology

## BUSINESS AND ECONOMICS

Computer Science and Data Processing  
Contracts

## ECONOMY AND CONSERVATION

Education  
Industry  
Labor and Management  
Manufacturing  
Materials Handling  
Office Procedure  
Quality Control  
Salesmanship and Marketing  
Small Business  
Supervision  
Technique and System  
Transportation

## CHEMISTRY

Analysis  
Biochemistry  
Chromatography  
Crystallography  
Inorganic Chemistry  
Laboratory  
Metallurgy  
Organic Chemistry  
Oxidation  
Radiation  
Reaction  
Technique and Equipment

## CIVICS AND GOVERNMENT

Citizenship  
Civil Defense and Disaster  
Civil Rights  
Communism  
Democracy  
Defense System  
Foreign Policy  
Government Agencies  
International Relations  
Law Enforcement  
Military Justice  
Security Control  
United Nations

## DENTISTRY

Anatomy and Physiology  
Careers  
Diagnosis  
Endodontics  
Occlusion  
Oral Hygiene  
Oral Surgery  
Orthodontics  
Patient Education  
Periodontics  
Prosthodontics  
Radiology

## EDUCATION

Adult Education  
Art  
Careers  
Counseling  
Curriculum  
Early Childhood  
Educational Institutions  
Instructional Techniques  
Learning and Cognition  
Library Science  
Mass Media  
Mathematics  
Psychology  
Special Education  
Teacher and Teaching  
Technology

## ELECTRICITY

Circuit  
Equipment  
Magnetism  
Motor  
Theory

## ELECTRONICS

Amplifier  
Communication  
Equipment  
Magnetism  
Principle  
System  
Theory  
Transistor

## ENGINEERING

Aerospace Industry  
Aerospace Technology  
Civil Engineering  
Electromechanism  
Highway

## GEOGRAPHY

Arctic and Antarctic  
Foreign Countries  
United States

## HEALTH

Alcohol  
Birth Control  
Conference  
Drug Abuse and Narcotics  
Emergency Care  
Environmental Health  
Facilities

First Aid  
Medical and Paramedical Profession  
Nursing and Patient Care  
Nutrition  
Public Health  
Radiology  
Research  
Safety  
Sanitation  
Sexuality and Sex Education

#### HISTORY

Civil War Period to 1900  
Colonial Period to 1776  
Korean War  
Military History  
Revolutionary War Period to 1783  
Twentieth Century  
Vietnam War  
World War I  
World War II  
1783 - 1860

#### HUMANITIES

Biography  
Drama  
English  
Fine Arts  
Languages  
Philosophy and Religion

#### INDUSTRIAL ARTS

Automotive Maintenance  
Blacksmithing  
Boring Machine  
Broaching Machine  
Construction  
Drill Press  
Electrical Works and Electronics  
Engineering  
Engines and Power Systems  
Foundry  
Graphic Arts  
Grinding Machine  
Handtools  
Hobbing Machine  
Hydrography  
Lethe  
Maps  
Mechanical and Engineering Drawing  
Metallurgy  
Milling Machine  
Optics  
Patternmaking  
Photography  
Plastics  
Plumbing  
Refrigeration  
Soldering  
Technical Measurement  
Water Treatment  
Welding  
Woodworking

#### MARINE

Engineering  
History  
Maintenance

Navigation  
Research  
Rules of the Road  
Seamanship  
Search and Rescue  
Shipbuilding  
Submarine

#### MEDICINE

Anatomy  
Anesthesiology  
Bacteriology  
Biology and Zoology  
Cancer  
Cardiovascular System  
Careers  
Chemistry  
Cytology and Tissue System  
Dermatology  
Diagnosis  
Digestive System  
Hemic and Lymphatic System  
Laboratory  
Microbiology  
Military Medicine  
Mycology  
Neurology  
Parasitology  
Pathology  
Pharmacology and Toxicology  
Pregnancy  
Psychiatry and Psychology  
Research  
Respiratory System  
Stroke  
Therapeutics  
Veterinary Medicine  
Virology

#### PHYSICAL SCIENCE

Air  
Astronomy  
Geology  
Oceanography  
Space and Solar System  
Weather

#### PHYSICS

Acoustics  
Aerodynamics  
Atomic and Nuclear Energy  
Biophysics  
Energetics  
Kinetics  
Magnetism  
Neutron  
Principle  
Radiation  
Radioisotope  
Research  
Spectrum

#### RECREATION

Camping  
Clubs  
Leisure Time  
Music  
Physical Activities

Playground Activities  
Singing

Travel

#### REHABILITATION

Amputees  
Blind  
Crippled Children  
Deaf-Blind  
Epilepsy  
Equipment  
Hearing and Speech  
Learning Disabilities  
Mental Retardation  
Occupational Therapy  
Physical Therapy

#### SAFETY

Accident Prevention  
Air  
Automobile  
Fire  
Industry  
Mountaineering  
Water

#### SOCIOLOGY

Aging  
Anthropology  
Community Life  
Crime  
Human Relations  
Marriage and the Family  
Military Dependents  
Minority Group  
Penology  
Population  
Social Problems  
Social Work  
Urbanization

#### SPACE PROGRAMS

Application  
Chemistry  
Communication  
Facilities  
History  
Launch Vehicle  
Lunar Probe  
Medicine and Biology  
Navigation  
Propulsion  
Safety  
Satellite  
Space Exploration  
Training

#### SURGERY

Anatomy  
Equipment  
Orthopedics  
Postoperative Care  
Preoperative Care  
Transplant  
Wounds and Injuries

# V. Guide to the Subject Section

<b>ABSORPTION</b> Medicine, Digestive System Medicine, Hemic and Lymphatic System	<b>AERODYNAMICS</b> Physics, Aerodynamics	<b>AIRPLANE</b> Aviation, Aircraft
<b>ACCELERATOR</b> Chemistry, Reaction Industrial Arts, Automotive Maintenance Industrial Arts, Photography Physics, Atomic and Nuclear Energy	<b>AEROMECHANICS</b> Physics, Aerodynamics	<b>AIRPORTS</b> Aviation, Facilities
<b>ACCELEROMETER</b> Aviation, Aircraft Aviation, Inspection and Maintenance	<b>AEROMEDICINE</b> Space Programs, Biology and Medicine	<b>ALASKA</b> Geography, United States
<b>ACCIDENT PREVENTION</b> Safety, Accident prevention	<b>AERONAUTICS</b> Aviation, Aircraft	<b>ALCOHOL</b> Health, Alcohol
<b>ACCOMMODATION</b> Business and Economics, Transportation	<b>AFRICA</b> Geography, Foreign Countries	<b>ALGEBRA</b> Education, Mathematics
<b>ACCOUNTING</b> Business and Economics, Education Business and Economics, Office Procedure	<b>AFRICAN SLEEPING SICKNESS</b> Medicine, Veterinary Medicine	<b>ALLEGHANY MOUNTAINS</b> Geography, United States
<b>ACIDITY</b> Chemistry, Reaction	<b>AGING</b> Sociology, Aging	<b>ALLOY</b> Chemistry, Metallurgy
<b>ACOUSTICS</b> Physics, Acoustics	<b>AGRICULTURE</b> Agriculture	<b>ALUMINUM</b> Business and Economics, Industry Chemistry, Metallurgy Industrial Arts, Construction
<b>ACROBATICS</b> Recreation, Physical Activities	<b>AGRONOMY</b> Agriculture, Crops Agriculture, Plant Science	<b>AMERICA</b> Geography, United States
<b>ADAPTATION</b> Biology, Zoology Sociology, Anthropology	<b>AIR</b> Physical Science, Air Safety, Air	<b>AMERICAN HISTORY</b> History
<b>ADDICTION</b> Health, Drug Abuse and Narcotics	<b>AIR CONDITIONING</b> Industrial Arts, Refrigeration	<b>AMMETER</b> Electronics, Equipment
<b>ADMINISTRATION</b> Business and Economics, Labor and Management	<b>AIR DEFENSE</b> Aviation, Air Defense	<b>AMMUNITION</b> Civics and Government, Defense System
<b>ADOLESCENT DEVELOPMENT</b> Education, Psychology	<b>AIR FORCE</b> Aviation, Civics and Government, Defense System	<b>AMPHIBIANS</b> Biology, Zoology
<b>ADVERTISING</b> Business and Economics, Salesmanship and Marketing	<b>AIR POLLUTION</b> Biology, Ecology Health, Environmental Health	<b>AMPUTEES</b> Rehabilitation, Amputees
	<b>AIR TRAFFIC CONTROL</b> Aviation, Air Traffic Control	<b>AMUSEMENT</b> Recreation, Leisure Time
	<b>AIR WARFARE</b> Aviation, Air Warfare	<b>ANATOMY</b> Biology, Anatomy Dentistry, Anatomy and Physiology Medicine, Anatomy Surgery, Anatomy
	<b>AIRCRAFT</b> Aviation, Aircraft	<b>ANESTHESIOLOGY</b> Medicine, Anesthesiology
	<b>AIRCRAFT ACCIDENTS</b> Aviation, Search and Rescue Safety, Air	<b>ANIMAL HUSBANDRY</b> Agriculture, Livestock
	<b>AIRFIELDS</b> Aviation, Facilities	

<b>ANIMAL REPRODUCTION</b>	<b>AUDIOVISUAL</b>	<b>BERLIN</b>
Biology, Zoology	Business and Economics Materials Handling Education, Instructional Techniques Education, Library Science	Geography, Foreign Countries History, World War II
<b>ANIMALS</b>	<b>AUSTRALIA</b>	<b>BIOCHEMISTRY</b>
Biology, Zoology	Geography, Foreign Countries	Biology, Biochemistry Chemistry, Biochemistry
<b>ANTARCTIC</b>	<b>AUTO REPAIR</b>	<b>BIOGRAPHY</b>
Geography, Arctic and Antarctic	Industrial Arts, Automotive Maintenance	Humanities, Biography
<b>ANTHROPOLOGY</b>	<b>AUTO SHOP</b>	<b>BIOLOGY</b>
Sociology, Anthropology	Industrial Arts, Automotive Maintenance	Atomic Energy, Biology and Medicine Biology Medicine, Biology and Zoology Space Programs, Medicine and Biology
<b>ANTI-POVERTY PROGRAM</b>	<b>AUTOMATION</b>	<b>BIOPHYSICS</b>
Sociology, Social Problems	Business and Economics, Computer Science and Data Processing	Physics, Biophysics
Sociology, Social Work	<b>AUTOMOBILE</b>	<b>BIRDS</b>
<b>ANTS</b>	Safety, Automobile	Biology, Zoology
Biology, Entomology	<b>AUTOMOTIVE MAINTENANCE</b>	<b>BIRTH CONTROL</b>
<b>ANTENNA</b>	Industrial Arts, Automotive Maintenance	Health, Birth Control
Electronics, Equipment	<b>AUTOPSY</b>	<b>BLACKSMITHING</b>
<b>ANTITOXIN</b>	Medicine, Research	Industrial Arts, Blacksmithing
Medicine, Pharmacology and Toxicology	<b>AVALANCHE</b>	<b>BLIND</b>
<b>APHID</b>	Physical Science, Geology	Rehabilitation, Blind
Biology, Entomology	<b>AVIATION</b>	<b>BLOOD</b>
<b>APPALACHIAN MOUNTAINS</b>	Aviation	Medicine, Hemic and Lymphatic System
Geography, United States	<b>BACTERIA</b>	<b>BLUEPRINT READING</b>
<b>APPLIANCE</b>	Medicine, Bacteriology Medicine, Microbiology	Industrial Arts, Graphic Arts
Electricity, Equipment	<b>BACTERIOLOGY</b>	<b>BLUE RIDGE MOUNTAINS</b>
<b>ARCHITECTURE</b>	Medicine, Bacteriology	Geography, United States
Engineering, Civil Engineering Humanities, Fine Arts	<b>BALLISTICS</b>	<b>BOATS</b>
<b>ARCHIVES</b>	Atomic Energy, Weapon Civics and Government, Defense System	Business and Economics, Transportation
Education, Educational Institutions Education, Library Science	<b>BAND SAW</b>	<b>BODYGUARD</b>
<b>ARCTIC</b>	Industrial Arts, Woodworking	Civics and Government, Security Control
Geography, Arctic and Antarctic	<b>BARBITURATE</b>	<b>BOLL WEEVIL</b>
<b>ARITHMETIC</b>	Health, Drug Abuse and Narcotics	Agriculture, Plant Science
Education, Mathematics	<b>BARGE</b>	<b>BOMBS</b>
<b>ARMAMENT</b>	Business and Economics, Transportation	Atomic Energy, Weapon
Civics and Government, Defense System	<b>BAROMETER</b>	<b>BONES</b>
<b>ARMED SERVICES</b>	Physical Science, Weather	Biology, Anatomy Medicine, Anatomy
Civics and Government, Defense System	<b>BARRACKS</b>	<b>BORING MACHINE</b>
<b>ARMY</b>	Civics and Government, Defense System	Industrial Arts, Boring Machine
Civics and Government, Defense System	<b>BARRICADE</b>	<b>BOTANY</b>
<b>ART</b>	Civics and Government, Defense System	Biology, Natural Resources
Education, Art Humanities, Fine Arts	<b>BATHYMETRY</b>	<b>BOY SCOUTS</b>
<b>ARTILLERY</b>	Physical Science, Oceanography	Recreation, Clubs
Civics and Government, Defense System	<b>BEEF</b>	<b>BRAILLE</b>
<b>ASIA</b>	Agriculture, Meat	Education, Special Education Rehabilitation, Blind
Geography, Foreign Countries	<b>BEES</b>	<b>BREATHING</b>
<b>ASTRONAUTICS</b>	Biology, Zoology	Medicine, Respiratory System
Space Programs	<b>BEHAVIOR</b>	<b>BROACHING MACHINE</b>
<b>ASTRONOMY</b>	Education, Psychology Medicine, Psychiatry and Psychology	Industrial Arts, Broaching Machine
Physical Science, Astronomy	<b>BELGIUM</b>	<b>BROTHERHOOD</b>
<b>ATHLETICS</b>	Geography, Foreign Countries	Sociology, Human Relations
Recreation, Physical Activities	<b>BENCH WORK</b>	<b>BUDGETING</b>
<b>ATLANTIC OCEAN</b>	Industrial Arts, Woodworking	Business and Economics, Labor and Management
Geography, United States	<b>BUOYS</b>	<b>BUILDING MATERIALS</b>
<b>ATOM</b>	Marine, Rules of the Road	Industrial Arts, Construction
Physics, Atomic and Nuclear Energy		
<b>ATOMIC ENERGY</b>		
Atomic Energy		
Physics, Atomic and Nuclear Energy		
<b>ATTITUDE</b>		
Sociology, Human Relations		
<b>AUDIOLOGY</b>		
Rehabilitation, Hearing and Speech		

<b>BURGLARY</b> Sociology, Crime	<b>CELLS</b> Biology, Cytology Medicine, Cytology and Tissue System	<b>CLUBS</b> Recreation, Clubs
<b>BUSINESS</b> Business and Economics	<b>CENSUS</b> Civics and Government, Government Agencies Sociology, Population	<b>COAL</b> Biology, Natural Resources
<b>BUSINESS MANAGEMENT</b> Business and Economics, Labor and Management	<b>CENTER-TYPE GRINDER</b> Industrial Arts, Grinding Machine	<b>COAST GUARD</b> Civics and Government, Government Agencies Civics and Government, Defense System Marine
<b>CABLE</b> Industrial Arts, Electrical Works and Electronics	<b>CENTERLESS GRINDING MACHINE</b> Industrial Arts, Grinding Machine	<b>COASTAL ENGINEERING</b> Marine, Engineering Physical Science, Oceanography
<b>CALCULUS</b> Education, Mathematics	<b>CENTRAL AMERICA</b> Geography, Foreign Countries	<b>COBALT</b> Chemistry, Metallurgy
<b>CALORIES</b> Health, Nutrition	<b>CERAMICS</b> Humanities, Fine Arts	<b>COLLEGES</b> Education, Educational Institutions Education, Technology
<b>CAMERA</b> Industrial Arts, Photography	<b>CHEMISTRY</b> Chemistry, Medicine, Chemistry Space Programs, Chemistry	<b>COLONIAL PERIOD</b> History, Colonial Period to 1776
<b>CAMPING</b> Recreation, Camping	<b>CHILD DEVELOPMENT</b> Education, Early Childhood Education, Psychology	<b>COMMUNICATION</b> Space Programs, Communication
<b>CANADA</b> Geography, Foreign Countries	<b>CHILD WELFARE</b> Sociology, Social Work	<b>COMMUNISM</b> Civics and Government, Communism
<b>CANALS</b> Business and Economics, Transportation Marine, Navigation	<b>CHILDBIRTH</b> Medicine, Pregnancy	<b>COMMUNITY HEALTH</b> Health, Public Health
<b>CANCER</b> Medicine, Cancer	<b>CHILD ABUSE</b> Sociology, Social Problems	<b>COMMUNITY HELPERS</b> Sociology, Community Life
<b>CANE</b> Rehabilitation, Equipment	<b>CHINA</b> Geography, Foreign Countries	<b>COMMUNITY LIFE</b> Sociology, Community Life
<b>CANNING</b> Agriculture, Farm Work Health, Nutrition	<b>CHRISTIAN EDUCATION</b> Humanities, Philosophy and Religion	<b>COMPASS</b> Marine, Navigation
<b>CAPE KENNEDY</b> Geography, United States Space Programs, Facilities	<b>CHROMATOGRAPHY</b> Chemistry, Chromatography	<b>COMPRESSION</b> Aviation, Inspection and Maintenance
<b>CARBIDE CUTTING TOOLS</b> Industrial Arts, Metallurgy	<b>CHURCHILL, WINSTON</b> History, World War II Humanities, Biography	<b>COMPETITIONS</b> Business and Economics, Economy and Conservation
<b>CARBON DIOXIDE</b> Chemistry, Inorganic Chemistry Chemistry, Oxidation	<b>CITIZENSHIP</b> Civics and Government, Citizenship	<b>COMPOSITION</b> Humanities, English Industrial Arts, Engines and Power Systems
<b>CARDIOLOGY</b> Medicine, Cardiovascular System	<b>CITY LIFE</b> Sociology, Community Life	<b>COMPUTER SCIENCE</b> Business and Economics, Computer Science and Data Processing
<b>CARDIOVASCULAR SYSTEM</b> Medicine, Cardiovascular System	<b>CIVICS</b> Civics and Government	<b>CONCERTS</b> Recreation, Music
<b>CAREER EDUCATION</b> Education, Careers	<b>CIVIL AFFAIRS</b> Sociology, Community Life	<b>CONGRESS</b> Civics and Government, Government Agencies
<b>CAREER OPPORTUNITIES</b> Dentistry, Careers Education, Careers Medicine, Careers	<b>CIVIL DEFENSE</b> Civics and Government, Civil Defense and Disaster	<b>CONSERVATION</b> Business and Economics Economy and Conservation
<b>CAREERS</b> Dentistry, Careers Medicine, Careers	<b>CIVIL RIGHTS</b> Civics and Government, Civil Rights	<b>CONSTRUCTION</b> Industrial Arts, Construction
<b>CARGO</b> Business and Economics, Transportation	<b>CIVIL WAR PERIOD</b> History, Civil War Period to 1900	<b>CONSUMER EDUCATION</b> Business and Economics, Education Business and Economics, Salesmanship and Marketing
<b>CARPENTRY</b> Industrial Arts, Woodworking	<b>CLEANING</b> Health, Sanitation	<b>CONTOUR FARMING</b> Agriculture, Soil Conservation
<b>CARS</b> Industrial Arts, Automotive Maintenance Safety, Automobile	<b>CLERICAL WORK</b> Business and Economics, Office Procedure	<b>CONTRACTS</b> Business and Economics, Contracts
<b>CARTOGRAPHY</b> Industrial Arts, Graphic Arts Industrial Arts, Maps	<b>CLIMATE</b> Physical Science, Weather	<b>COOPER-BESSEMER DIESEL ENGINES</b> Industrial Arts, Engines and Power Systems
<b>CATALOGING</b> Education, Library Science	<b>CLINICS</b> Health, Facilities	
	<b>CLOUDS</b> Physical Science, Weather	

<b>COPPERSMITHING</b>	<b>DEBRIDEMENT</b>	<b>DRAFTING</b>
Industrial Arts, Metallurgy	Surgery, Wounds and Injuries	Industrial Arts, Graphic Arts
<b>CORRESPONDENCE</b>	<b>DEBRIS</b>	Industrial Arts, Mechanical and
Business and Economics, Office Procedure	Physical Science, Geology	Engineering Drawing
<b>COTTON</b>	<b>DEFENSE SYSTEM</b>	<b>DRAMA</b>
Agriculture, Crops	Civics and Government, Defense System	Humanities, Drama
<b>COURSES</b>	<b>DEMOCRACY</b>	<b>DRILL PRESS</b>
Education, Curriculum	Civics and Government, Democracy	Industrial Arts, Drill Press
<b>CRATER</b>	<b>DEMOGRAPHY</b>	<b>DRILLING</b>
Physical Science, Geology	Sociology, Population	Industrial Arts, Drill Press
<b>CRIME</b>	<b>DENMARK</b>	<b>DRINKING</b>
Sociology, Crime	Geography, Foreign Countries	Health, Alcohol
<b>CRIPPLED CHILDREN</b>	<b>DENTAL</b>	<b>DRIVER EDUCATION</b>
Rehabilitation, Crippled Children	Dentistry	Safety, Automobile
<b>CROP-DUSTING</b>	<b>DENTAL HEALTH</b>	<b>DRIVER TRAINING</b>
Agriculture, Plant Science	Dentistry, Oral Hygiene Dentistry, Patient Education	Safety, Automobile
<b>CROP ROTATION</b>	<b>DENTISTRY</b>	<b>DROPOUTS</b>
Agriculture, Soil Conservation	Dentistry	Education, Counseling Sociology, Social Problems
<b>CROPS</b>	<b>DENTISTS</b>	<b>DRUG ABUSE</b>
Agriculture, Crops	Dentistry, Careers	Health, Drug Abuse and Narcotics
<b>CRUTCHES</b>	<b>DENTURES</b>	<b>DRUGS</b>
Rehabilitation, Equipment	Dentistry, Prosthodontics	Health, Drug Abuse and Narcotics Medicine, Pharmacology and Toxicology
<b>CRYSTALLOGRAPHY</b>	<b>DEPLETION</b>	<b>DYNAMICS</b>
Chemistry, Crystallography	Biology, Natural Resources	Physics, Aerodynamics Physics, Kinetics
<b>CRYSTALS</b>	<b>DEPRESSION</b>	<b>EARS</b>
Chemistry, Crystallography	Medicine, Psychiatry and Psychology Sociology, Human Relations	Medicine, Anatomy
<b>CULTIVATION</b>	<b>DERMATOLOGY</b>	<b>EARTH SCIENCE</b>
Agriculture, Horticulture	Medicine, Dermatology	Physical Science
Agriculture, Plant Science	<b>DEVICES</b>	<b>EARTHQUAKES</b>
<b>CULTURE</b>	Industrial Arts, Engines and Power Systems	Physical Science, Geology
Sociology, Anthropology	<b>DIAGNOSIS</b>	<b>EARTHWORMS</b>
<b>CUSTOMS</b>	Dentistry, Diagnosis Medicine, Diagnosis	Biology, Zoology
Sociology, Anthropology	<b>DIET</b>	<b>ECOLOGY</b>
<b>CUTTER GRINDER</b>	Health, Nutrition	Biology, Ecology
Industrial Arts, Grinding Machine	<b>DIGESTIVE SYSTEM</b>	<b>ECONOMICS</b>
<b>CYTOTOLOGY</b>	Medicine, Digestive System	Business and Economics
Biology, Cytology Medicine, Cytology and Tissue System	<b>DIPLOMACY</b>	<b>ECONOMY</b>
<b>DAIRY PRODUCTS</b>	Civics and Government, International Relations	Business and Economics, Economy and Conservation
Agriculture, Livestock	<b>DISASTER</b>	<b>EDUCATION</b>
Health, Nutrition	Civics and Government, Civil Defense and Disaster	Business and Economics, Education
<b>DAM CONSTRUCTION</b>	<b>DISCRIMINATION</b>	<b>EGYPT</b>
Industrial Arts, Construction	Civics and Government, Civil Rights Sociology, Minority Group	Geography, Foreign Countries
Industrial Arts, Engineering	<b>DISEASES</b>	<b>ELECTIONS</b>
<b>DAMS</b>	Medicine, Pathology	Civics and Government, Democracy
Geography, United States	<b>DISSECTION</b>	<b>ELECTRICAL SAFETY</b>
<b>DAMAGES</b>	Biology, Anatomy Biology, Physiology Dentistry, Anatomy and Physiology Medicine, Anatomy Surgery, Anatomy	Industrial Arts, Electrical Works and Electronics Safety, Industry
Civics and Government, Civil Defense and Disaster	<b>DISTRIBUTION</b>	<b>ELECTRICAL WORKS</b>
<b>DANCING</b>	Business and Economics, Materials Handling	Industrial Arts, Electrical Works and Electronics
Recreation, Leisure Time Sociology, Anthropology	<b>DIVING</b>	<b>ELECTROMAGNETISM</b>
<b>DATA PROCESSING</b>	Recreation, Physical Activities	Electricity, Magnetism Electronics, Magnetism Physics, Magnetism
Business and Economics, Computer Science and Data Processing	<b>DOCTORS</b>	<b>ELECTRONS</b>
<b>DEAF-BLIND</b>	Medicine, Careers	Physics, Magnetism
Rehabilitation, Deaf-Blind		<b>EMBARGO</b>
<b>DEAFNESS</b>		Business and Economics, Transportation
Rehabilitation, Hearing and Speech		
<b>DEALERSHIP</b>		
Business and Economics, Salesmanship and Marketing		

<b>EMBRYOLOGY</b> Biology, Embryology	<b>EQUAL OPPORTUNITY</b> Civics and Government, Civil Rights Civics and Government, Democracy	<b>FARM WORK</b> Agriculture, Farm Work
<b>EMERGENCY AGENCIES</b> Civics and Government, Civil Defense and Disaster	<b>EQUIPMENT</b> Electricity, Equipment Electronics, Equipment Rehabilitation, Equipment Surgery, Equipment	<b>FARMING</b> Agriculture
<b>EMERGENCY CARE</b> Health, Emergency Care	<b>ERADICATION</b> Business and Economics, Technique and System Civics and Government, Civil Defense and Disaster	<b>FEDERAL AGENCIES</b> Civics and Government, Government Agencies
<b>EMPLOYMENT</b> Education, Careers	<b>EROSION</b> Agriculture, Soil Conservation	<b>FEDERAL BUREAU OF INVESTIGATION</b> Civics and Government, Government Agencies
<b>EMOTIONS</b> Medicine, Psychiatry and Psychology Sociology, Human Relations	<b>ERUPTIONS</b> Physical Science, Geology	Civics and Government, Law Enforcement Sociology, Crime
<b>ENDODONTICS</b> Dentistry, Endodontics	<b>ESKIMOS</b> Geography, Arctic and Antarctic Sociology, Anthropology	<b>FEDERAL LIBRARIES</b> Civics and Government, Government Agencies Education, Library Science
<b>ENERGETICS</b> Physics, Energetics	<b>ETHER</b> Medicine, Anesthesiology	<b>FERTILIZERS</b> Agriculture, Plant Science
<b>ENERGY</b> Physics, Energetics	<b>ETHICS</b> Humanities, Philosophy and Religion	<b>FESTIVALS</b> Sociology, Anthropology
<b>ENGINE LATHE</b> Industrial Arts, Lathe	<b>ETHNOLOGY</b> Sociology, Anthropology	<b>FIBERGLASS</b> Industrial Arts, Plastics
<b>ENGINEERING</b> Atomic Energy, Engineering Industrial Arts, Engineering Marine, Engineering	<b>ETOIOLOGY</b> Medicine, Pathology	<b>FIELD TRIPS</b> Education, Instructional Technique Education, Technology
<b>ENGINEERING DRAWING</b> Industrial Arts, Mechanical and Engineering Drawing	<b>EUGENICS</b> Biology, Heredity	<b>FILING</b> Business and Economics, Office Procedures, Industrial Arts, Metallurgy
<b>ENGINES</b> Industrial Arts, Engines and Power Systems	<b>EUROPE</b> Geography, Foreign Countries	<b>FILMS</b> Industrial Arts, Photography
<b>ENGINES - FAIRBANKS MORSE DIESEL</b>  Industrial Arts, Engines and Power Systems	<b>EVERGLADES NATIONAL PARK</b> Geography, United States	<b>FINE ARTS</b> Humanities, Fine Arts
<b>ENGINES - GENERAL MOTORS 12-567A</b>  Industrial Arts, Engines and Power Systems	<b>EXERCISES</b> Recreation, Physical Activities	<b>FINLAND</b> Geography, Foreign Countries
<b>ENGINES - GENERAL MOTORS 16-278A</b>  Industrial Arts, Engines and Power Systems	<b>EXPLOSIVES</b> Business and Economics, Technique and System Industrial Arts, Construction Safety, Industry	<b>FIRE</b> Safety, Fire
<b>ENGINES - 8-268A DIESEL</b>  Industrial Arts, Engines and Power Systems	<b>EYES</b> Medicine, Anatomy	<b>FIRE CONTROL</b> Business and Economics, Technique and System Safety, Fire
<b>ENGLAND</b> Geography, Foreign Countries	<b>FACTORY</b> Business and Economics, Industry Business and Economics, Manufacturing	<b>FIRE SAFETY</b> Safety, Fire
<b>ENGLISH</b> Humanities, English	<b>FALLOUT SHELTER</b> Civics and Government, Civil Defense and Disaster	<b>FIREMEN</b> Safety, Fire Sociology, Community Life
<b>ENTERTAINMENT</b> Recreation, Leisure Time	<b>FAMILY</b> Sociology, Marriage and the Family	<b>FIRST AID</b> Health, First Aid
<b>ENTOMOLOGY</b> Biology, Entomology	<b>FAMILY PLANNING</b> Health, Birth Control	<b>FISHING</b> Business and Economics, Industry
<b>ENVIRONMENT</b> Biology, Ecology Health, Environmental Health	<b>FAMILY WELFARE</b> Sociology, Social Work	<b>FLIGHT</b> Aviation
<b>ENVIRONMENTAL HEALTH</b> Health, Environmental Health	<b>FARM MAINTENANCE</b> Agriculture, Farm Maintenance	<b>FLIGHTSAFETY</b> Safety, Air
<b>EPIDEMIOLOGY</b> Medicine, Pathology	<b>FARM PRODUCTS</b> Agriculture, Crops Agriculture, Livestock	<b>FLIGHT TRAINING</b> Aviation, Flight Training
<b>EPILEPSY</b> Rehabilitation, Epilepsy		<b>FLOATING DOCKS</b> Business and Economics, Transportation Marine, Rules of the Road
<b>EPIZOOTOIOLOGY</b> Medicine, Veterinary Medicine		

<b>FLOODS</b>	<b>GAMMA RAYS</b>	<b>GUIDANCE</b>
Physical Science, Geology Physical Science, Weather	Chemistry, Radiation Physics, Radiation	Education, Counseling
<b>FLOWERS</b>	<b>GARDENING</b>	<b>HALLUCINATIONS</b>
Agriculture, Horticulture	Agriculture, Horticulture	Medicine, Psychiatry and Psychology
<b>FLYING COMPETITIONS</b>	<b>GARRISONS</b>	<b>HALLUCINOGENS</b>
Aviation, Flying Exhibitions and Competitions	Civics and Government, Defense System	Medicine, Psychiatry and Psychology
<b>FLYING EXHIBITIONS</b>	<b>GAS</b>	<b>HANDTOOLS</b>
Aviation, Flying Exhibitions and Competitions	Biology, Natural Resources	Industrial Arts, Handtools
<b>FOLIAGE</b>	<b>GEAR HOBBING MACHINE</b>	<b>HAWAII</b>
Agriculture, Horticulture	Industrial Arts, Hobbing Machine	Geography, United States
<b>FOLK MUSIC</b>	<b>GENETICS</b>	<b>HEALTH</b>
Recreation, Music	Biology, Heredity	Health
<b>FOOD</b>	<b>GEOGRAPHY</b>	<b>HEARING</b>
Agriculture, Crops Health, Nutrition	Geography	Rehabilitation, Hearing and Speech
<b>FOOD HANDLING</b>	<b>GEOLOGY</b>	<b>HEART</b>
Agriculture, Farm Work Business and Economics, Materials Handling	Physical Science, Geology	Medicine, Cardiovascular System
Business and Economics, Technique and System	<b>GEOMETRY</b>	<b>HELICOPTERS</b>
Health, Nutrition	Education, Mathematics	Aviation, Helicopters
<b>FORCEPS</b>	<b>GERIATRICS</b>	<b>HEMATOLOGY</b>
Medicine, Pregnancy Surgery, Equipment	Medicine, Pathology Sociology, Aging	Medicine, Hemic and Lymphatic System
<b>FOREIGN COUNTRIES</b>	<b>GERMAN LANGUAGE</b>	<b>HEMIC SYSTEM</b>
Geography, Foreign Countries	Humanities, Languages	Medicine, Hemic and Lymphatic System
<b>FOREIGN LANGUAGES</b>	<b>GERMANY</b>	<b>HEMIPLEGIA</b>
Humanities, Languages	Geography, Foreign Countries	Rehabilitation, Physical Therapy
<b>FOREIGN POLICY</b>	<b>GERONTOLOGY</b>	<b>HERBS</b>
Civics and Government, Foreign Policy	Sociology, Aging	Agriculture, Horticulture
<b>FOREIGN TRADE</b>	<b>GHETTO</b>	<b>HEREDITY</b>
Civics and Government, Foreign Policy	Sociology, Minority Group Sociology, Social Problems	Biology, Heredity
<b>FORESTRY</b>	<b>GIFTED CHILDREN</b>	<b>HEROIN</b>
Biology, Natural Resources	Education, Special Education	Health, Drug Abuse and Narcotics
<b>FORGING</b>	<b>GIRL SCOUTS</b>	<b>HISTORY</b>
Industrial Arts, Metallurgy	Recreation, Clubs	Aviation, History History Marine, History Space Programs, History
<b>FOUNDRY</b>	<b>GLACIERS</b>	<b>HITLER, ADOLF</b>
Industrial Arts, Foundry	Physical Science, Geology.	History, World War II Humanities, Biography
<b>FRACTURES</b>	<b>GLANDS</b>	<b>HOBBIES</b>
Surgery, Wounds and Injuries	Medicine, Anatomy	Recreation, Leisure Time
<b>FRANCE</b>	<b>GOVERNMENT</b>	<b>HOBBING MACHINE</b>
Geography, Foreign Countries	Civics and Government	Industrial Arts, Hobbing Machine
<b>FRATERNITY</b>	<b>GOVERNMENT AGENCIES</b>	<b>HOLLAND</b>
Recreation, Clubs	Civics and Government, Government Agencies	Geography, Foreign Countries
<b>FREIGHT</b>	<b>GRAINS</b>	<b>HORIZONTAL BORING</b>
Business and Economics, Transportation	Agriculture, Crops	Industrial Arts, Boring Machine
<b>FRENCH LANGUAGE</b>	<b>GRAND CANYON</b>	<b>HORTICULTURE</b>
Humanities, Languages	Geography, United States	Agriculture, Horticulture
<b>FRUIT</b>	<b>GRAPHIC ARTS</b>	<b>HOSPITAL</b>
Agriculture, Crops	Industrial Arts, Graphics Arts	Health, Facilities
<b>FRUSTRATION</b>	<b>GRASSLANDS</b>	<b>HOUSE CONSTRUCTION</b>
Sociology, Human Relations	Biology, Natural Resources	Industrial Arts, Construction
<b>FUEL</b>	<b>GRAVITY</b>	<b>HOUSING</b>
Atomic Energy, Reactor Biology, Natural Resources	Physical Science, Air Physics, Principle	Sociology, Urbanization
<b>FUNGUS</b>	<b>GREAT BRITAIN</b>	<b>HUMAN BODY</b>
Biology, Microbiology Biology, Natural Resources	Geography, Foreign Countries	Medicine, Anatomy
<b>GAMES</b>	<b>GREAT LAKES</b>	<b>HUMAN RELATIONS</b>
Recreation, Leisure Time Recreation, Physical Activities	Geography, United States	Sociology, Human Relations
	<b>GREECE</b>	<b>HUMAN REPRODUCTION</b>
	Geography, Foreign Countries	Health, Sexuality and Sex Education Medicine, Pregnancy
	<b>GRINDING MACHINE</b>	<b>HUMAN SERVICES</b>
	Industrial Arts, Grinding Machine	Rehabilitation

<b>HUMANITIES</b>	<b>INSTRUCTION</b>	<b>LABORATORY</b>
Humanities	Education, Instructional Technique Education, Teacher and Teaching	Biology, Laboratory Chemistry, Laboratory Medicine, Laboratory
<b>HUMIDITY</b>	<b>INSTRUCTIONAL MATERIALS</b>	<b>LANGUAGES</b>
Physical Science, Weather	Education, Instructional Technique	Humanities, Languages
<b>HUNGARY</b>	<b>INSURANCE</b>	<b>LARCENY</b>
Geography, Foreign Countries	Business and Economics, Contracts Business and Economics, Small Business	Sociology, Crime
<b>HURRICANES</b>	<b>INTERNAL GRINDER</b>	<b>LASERS</b>
Physical Science, Weather	Industrial Arts, Grinding Machine	Industrial Arts, Optics Physics, Spectrum
<b>HYDRAULICS</b>	<b>INTERNATIONAL RELATIONS</b>	<b>LATHE</b>
Physics, Kinetics	Agriculture, International Relations Civics and Government, International Relations	Industrial Arts, Lathe
<b>HYDROGEN BOMB</b>	<b>INTERNATIONALISM</b>	<b>LATIN AMERICA</b>
Atomic Energy, Weapon	Civics and Government, Foreign Policy Civics and Government, International Relations	Geography, Foreign Countries
<b>HYDROGRAPHY</b>	<b>INTERPERSONAL PROBLEMS</b>	<b>LAUNCH VEHICLE</b>
Industrial Arts, Hydrography	Sociology, Social Problems	Space Programs, Launch Vehicle
<b>HYDROLOGY</b>	<b>INTERVIEWING</b>	<b>LAW</b>
Physical Science, Oceanography	Business and Economics, Supervision Sociology, Human Relations	Civics and Government, Law Enforcement
<b>HYDROTHERAPY</b>	<b>IRELAND</b>	<b>LAW ENFORCEMENT</b>
Rehabilitation, Physical Therapy	Geography, Foreign Countries	Civics and Government, Law Enforcement
<b>HYGIENE</b>	<b>IRRIGATION</b>	<b>LEAGUE OF NATIONS</b>
Health, Sanitation	Business and Economics, Transportation	Civics and Government, International Relations Civics and Government, United Nations
<b>HYSTÉRIA</b>	<b>ISRAEL</b>	<b>LEARNING DISABILITIES</b>
Medicine, Psychiatry and Psychology	Geography, Foreign Countries	Rehabilitation, Learning Disabilities
<b>ICELAND</b>	<b>ITALY</b>	<b>LEGISLATURE</b>
Geography, Foreign Countries	Geography, Foreign Countries	Civics and Government, Law Enforcement
<b>IMMUNOLOGY</b>	<b>JAPAN</b>	<b>LEISURE TIME</b>
Medicine, Pharmacology and Toxicology	Geography, Foreign Countries	Recreation, Leisure Time
<b>INDIA</b>	<b>JET ENGINES</b>	<b>LEUKEMIA</b>
Geography, Foreign Countries	Aviation, Inspection and Maintenance Aviation, Repair Industrial Arts, Engines and Power Systems	Medicine, Cancer
<b>INDIANS, AMERICAN</b>	<b>JETS</b>	<b>LIBERAL ARTS</b>
Geography, United States Sociology, Anthropology	Aviation, Aircraft	Education, Technology
<b>INDIVIDUAL DIFFERENCES</b>	<b>JOBS</b>	<b>LIBRARIES</b>
Education, Psychology	Education, Careers	Education, Educational Institutions Education, Library Science
<b>INDUSTRIAL ARTS</b>	<b>JOINTER</b>	<b>LIBRARY OF CONGRESS</b>
Industrial Arts	Industrial Arts, Woodworking	Civics and Government, Government Agencies Education, Library Science
<b>INDUSTRIAL MANAGEMENT</b>	<b>JOURNALISM</b>	<b>LIFE CYCLES</b>
Business and Economics, Labor and Management	Humanities, English	Biology, Embryology Biology, Zoology Medicine, Pregnancy
<b>INDUSTRIAL SECURITY</b>	<b>JUDICIAL PROCESS</b>	<b>LITERATURE</b>
Civics and Government, Security Control	Civics and Government, Law Enforcement	Humanities
<b>INDUSTRY</b>	<b>JUVENILE DELINQUENCY</b>	<b>LITHOGRAPHY</b>
Business and Economics, Industry Safety, Industry	Sociology, Crime Sociology, Social Problems	Industrial Arts, Graphic Arts
<b>INFANT CARE</b>	<b>KINDERGARTEN</b>	<b>LIVESTOCK</b>
Health, Nursing and Patient Care	Education, Early Childhood	Agriculture, Livestock
<b>INFANTRY</b>	<b>KINETICS</b>	<b>LOCKSMITHING</b>
Civics and Government, Defense System	Physics, Kinetics	Industrial Arts, Metallurgy
<b>INFECTIONS</b>	<b>KNOTS</b>	<b>LOCOMOTION</b>
Medicine, Bacteriology Medicine, Microbiology Medicine, Parasitology	Marine, Seafarership	Business and Economics, Transportation
<b>INJURIES</b>	<b>KOREA</b>	<b>LOCUST</b>
Surgery, Wounds and Injuries	Geography, Foreign Countries	Biology, Entomology
<b>INORGANIC CHEMISTRY</b>	<b>KOREAN WAR</b>	<b>LOGISTICS</b>
Chemistry, Inorganic Chemistry	History, Korean War	Business and Economics, Materials Handling
<b>INSECTICIDES</b>	<b>LABOR</b>	
Agriculture, Plant Science	Business and Economics, Labor and Management	
<b>INSECTS</b>		
Biology, Entomology		
<b>INSTALLATION</b>		
Industrial Arts, Electrical Works and Electronics		

<b>LSD</b>	Health, Drug Abuse and Narcotics
<b>LUMBER</b>	Business and Economics, Industry
<b>LUNAR EXPLORATION</b>	Space Programs, Lunar Probe Space Programs, Space Exploration
<b>LUNAR PROBE</b>	Space Programs, Lunar Probe
<b>LUXEMBOURG</b>	Geography, Foreign Countries
<b>LYMPHATIC SYSTEM</b>	Medicine, Hemic and Lymphatic System
<b>MACHINING</b>	Industrial Arts
<b>MAGNETISM</b>	Physics, Magnetism
<b>MAIL</b>	Business and Economics, Technique and System Business and Economics, Transportation
<b>MAINTENANCE</b>	Marine, Maintenance
<b>MALARIA</b>	Medicine, Bacteriology Medicine, Biology and Zoology Medicine, Microbiology
<b>MAMMALS</b>	Biology, Zoology
<b>MAMMOGRAPHY</b>	Health, Radiology Medicine, Cancer
<b>MANAGEMENT</b>	Business and Economics, Labor and Management
<b>MANAGEMENT TRAINING</b>	Business and Economics, Education Business and Economics, Labor and Management
<b>MANUAL COMMUNICATION</b>	Education, Special Education Rehabilitation, Hearing and Speech
<b>MANUFACTURING</b>	Business and Economics, Manufacturing
<b>MAPS</b>	Industrial Arts, Maps
<b>MARIHUANA</b>	Health, Drug Abuse and Narcotics
<b>MARINE</b>	Marine Biology, Marine
<b>MARINE CORPS</b>	Civics and Government, Defense System Marine
<b>MARKETING</b>	Business and Economics, Salesmanship and Marketing
<b>MARRIAGE</b>	Sociology, Marriage and the Family
<b>MASONRY</b>	Industrial Arts, Construction
<b>MATERIALS HANDLING</b>	Business and Economics, Materials Handling
<b>MEAT</b>	Agriculture, Meat
<b>MECHANICAL DRAWING</b>	Industrial Arts, Mechanical and Engineering Drawing
<b>MECHANICS</b>	Physics, Kinetics
<b>MEDICAL</b>	Medicine
<b>MEDICAL PROFESSION</b>	Health, Medical and Paramedical Profession
<b>MEDICAL SUPPLY</b>	Health, Facilities
<b>MEDICARE</b>	Sociology, Aging Sociology, Social Problems
<b>MEDICINE</b>	Atomic Energy, Biology and Medicine Medicine Space Programs, Medicine and Biology
<b>MEETINGS</b>	Business and Economics, Office Procedure Health, Conference
<b>MEMORY</b>	Education, Learning and Cognition
<b>MENTAL ILLNESS</b>	Medicine, Psychiatry and Psychology
<b>MENTAL RETARDATION</b>	Rehabilitation, Mental Retardation
<b>MERCHANDISING</b>	Business and Economics, Salesmanship and Marketing
<b>METACENTER</b>	Marine, Engineering
<b>METAL CUTTING BAND SAW</b>	Industrial Arts, Metallurgy
<b>METAL WORK</b>	Industrial Arts, Metallurgy
<b>METALLOGRAPHY</b>	Chemistry, Metallurgy
<b>METALLURGY</b>	Chemistry, Metallurgy Industrial Arts, Metallurgy
<b>METEOROLOGY</b>	Physical Science, Weather
<b>METERS</b>	Industrial Arts, Electrical Works and Electronics Industrial Arts, Technical Measurements
<b>METRIC SYSTEM</b>	Education, Mathematics Industrial Arts, Technical Measurements
<b>METROPOLITAN</b>	Sociology, Population Sociology, Urbanization
<b>MICROBES</b>	Biology, Microbiology
<b>MICROBIOLOGY</b>	Biology, Microbiology Medicine, Microbiology
<b>MICROFILMS</b>	Education, Library Science Industrial Arts, Photography
<b>MICROWAVES</b>	Physics, Spectrum
<b>MICROORGANISMS</b>	Biology, Microbiology Medicine, Microbiology
<b>MILITARY</b>	Civics and Government, Defense System
<b>MILITARY DEPENDENTS</b>	Sociology, Military Dependents
<b>MILITARY HISTORY</b>	History, Military History
<b>MILITARY JUSTICE</b>	Civics and Government, Military Justice
<b>MILITARY MEDICINE</b>	Medicine, Military Medicine
<b>MILLING MACHINE</b>	Industrial Arts, Milling Machine
<b>MINING</b>	Business and Economics, Industry
<b>MINORITY GROUP</b>	Sociology, Minority Group
<b>MISSILES AND ROCKETS</b>	Space Programs, Propulsion
<b>MOLDING</b>	Industrial Arts, Woodworking
<b>MONITORING</b>	Atomic Energy, Safety, Waste Disposal, and Monitoring
<b>MONROE DOCTRINE</b>	Civics and Government, Foreign Policy History, 1783 to 1860
<b>MOON</b>	Physical Science, Astronomy Physical Science, Space and Solar System
<b>MORALE SERVICES</b>	Humanities, Philosophy and Religion
<b>MOSQUITOES</b>	Biology, Zoology Medicine, Biology and Zoology
<b>MOSSES</b>	Agriculture, Plant Science Biology, Natural Resources
<b>MOTION PICTURES</b>	Education, Instructional Techniques Humanities, Fine Arts
<b>MOUNTAINEERING</b>	Safety, Mountaineering
<b>MUNITIONS</b>	Civics and Government, Defense System
<b>MUSCLES</b>	Medicine, Anatomy
<b>MUSEUMS</b>	Education, Educational Institutions
<b>MUSIC</b>	Recreation, Music
<b>MYCOLOGY</b>	Medicine, Mycology
<b>MYCOSIS</b>	Medicine, Parasitology

<b>NARCOTICS</b>	<b>NYLONS</b>	<b>PACKAGING</b>
Health, Drug Abuse and Narcotics	Industrial Arts, Plastics	Business and Economics, Industry
<b>NATIONAL PARKS</b>	<b>OBSERVATORY</b>	<b>PAINTING</b>
Geography, United States	Space Programs, Facilities	Humanities, Fine Arts Industrial Arts, Construction
<b>NATIONAL SECURITY</b>	<b>OCCLUSION</b>	<b>PALEONTOLOGY</b>
Civics and Government	Dentistry, Occlusion	Physical Science, Geology
<b>NATIONS</b>	<b>OCCUPATIONAL THERAPY</b>	<b>PALSY</b>
Geography, Foreign Countries	Rehabilitation, Occupational Therapy	Medicine, Neurology
<b>NATURAL RESOURCES</b>	<b>OCCUPATIONS</b>	<b>PANAMA</b>
Biology, Natural Resources	Education, Careers	Geography, Foreign Countries
<b>NAVAL HISTORY</b>	<b>OCEAN ENGINEERING</b>	<b>PANELLING</b>
Marine, History	Marine, Engineering Physical Science, Oceanography	Industrial Arts, Construction
<b>NAVIGATION</b>	<b>OCEANOGRAPHY</b>	<b>PANTOMINE</b>
Aviation, Navigation Marine, Navigation Space Programs, Navigation	Physical Science, Oceanography	Humanities, Drama
<b>NAVY</b>	<b>OCEANS</b>	<b>PARAMEDICAL PROFESSION</b>
Marine	Physical Science, Oceanography	Health, Medical and Paramedical Profession
<b>NEIGHBORHOOD</b>	<b>OFFICE PROCEDURE</b>	<b>PARAMETERS</b>
Sociology, Community Life	Business and Economics, Office Procedure	Education, Mathematics
<b>NERVOUS SYSTEM</b>	<b>OHM'S LAW</b>	<b>PARASITES</b>
Medicine, Neurology	Electronics, Principle Physics, Principle	Medicine, Parasitology
<b>NETHERLANDS</b>	<b>OIL PAINTING</b>	<b>PARASITOLOGY</b>
Geography, Foreign Countries	Humanities, Fine Arts	Medicine, Parasitology
<b>NEUROLOGY</b>	<b>OKEECHOBEE</b>	<b>PARENTHOOD</b>
Medicine, Neurology	Geography, United States	Sociology, Marriage and the Family
<b>NEUROSIS</b>	<b>OPERATION</b>	<b>PARKS</b>
Medicine, Neurology Medicine, Psychiatry and Psychology	Surgery	Biology, Natural Resources Recreation, Leisure Time
<b>NEUTRON</b>	<b>OPIUM</b>	<b>PATHOLOGY</b>
Physics, Neutron	Health, Drug Abuse and Narcotics	Medicine, Pathology
<b>NEWSPAPERS</b>	<b>OPTICS</b>	<b>PATIENT CARE</b>
Education, Mass Media	Industrial Arts, Optics	Health, Nursing and Patient Care
<b>NOISE</b>	<b>ORAL HYGIENE</b>	<b>PATIENT EDUCATION</b>
Health, Environmental Health	Dentistry, Oral Hygiene	Dentistry, Patient Education
<b>NORTH ATLANTIC TREATY ORGANIZATION</b>	<b>ORAL SURGERY</b>	<b>PATRIOTISM</b>
Civics and Government, International Relations	Dentistry, Oral Surgery	Civics and Government, Democracy
<b>NORWAY</b>	<b>ORBITS</b>	<b>PATTERNMAKING</b>
Geography, Foreign Countries	Space Programs, Satellite	Industrial Arts, Patternmaking
<b>NOURISHMENT</b>	<b>ORCHARDS</b>	<b>PAVEMENT</b>
Health, Nutrition	Agriculture, Plant Science	Engineering, Highway Industrial Arts, Construction
<b>NUCLEAR BOMB</b>	<b>ORCHESTRAS</b>	<b>PENICILLIN</b>
Atomic Energy, Weapon	Recreation, Music	Medicine, Pharmacology and Toxicology
<b>NUCLEAR ENERGY</b>	<b>ORDNANCE</b>	<b>PENOLOGY</b>
Atomic Energy Physics, Atomic and Nuclear Energy	Civics and Government, Defense System	Sociology, Penology
<b>NUCLEAR PHYSICS</b>	<b>ORES</b>	<b>PENSION</b>
Physics, Atomic and Nuclear Energy	Biology, Natural Resources	Sociology, Aging
<b>NUCLEAR REACTOR</b>	<b>ORGANIC CHEMISTRY</b>	<b>PENTAGON</b>
Atomic Energy, Reactor	Chemistry, Organic Chemistry	Civics and Government, Defense System Civics and Government, Government Agencies
<b>NURSERY SCHOOLS</b>	<b>ORGANIZATION</b>	<b>PENITENTIARY</b>
Education, Early Childhood	Business and Economics, Labor and Management	Sociology, Penology
<b>NURSES</b>	<b>ORTHODONTICS</b>	<b>PERCEPTION</b>
Health, Nursing and Patient Care Medicine, Careers	Dentistry, Orthodontics	Education Learning and Cognition
<b>NURSING</b>	<b>ORTHOPEDICS</b>	<b>PERSONAL DEVELOPMENT</b>
Health, Nursing and Patient Care	Surgery, Orthopedics	Education, Psychology
<b>NURSING HOME</b>	<b>OXIDATION</b>	<b>PERSONNEL MANAGEMENT</b>
Health, Nursing and Patient Care Sociology, Aging	Chemistry, Oxidation	Business and Economics, Labor and Management
<b>NUTRITION</b>	<b>OXYGEN</b>	<b>PESTICIDES</b>
Health, Nutrition	Chemistry, Inorganic Chemistry	Agriculture, Plant Science

<b>PETROLEUM</b> Biology, Natural Resources Business and Economics, Industry	<b>POLITICAL SCIENCE</b> Civics and Government	<b>QUANTUM MECHANICS</b> Physics, Atomic and Nuclear Energy Physics, Kinetics
<b>PETROLOGY</b> Physical Science, Geology	<b>POLITICS</b> Civics and Government	<b>QUARANTINE</b> Space Programs, Facilities
<b>PHARMACOLOGY</b> Medicine, Pharmacology and Toxicology	<b>POLLUTION</b> Health Environmental Health	<b>RABIES</b> Medicine, Veterinary Medicine Medicine, Virology
<b>PHARMACY</b> Medicine, Pharmacology and Toxicology	<b>POPULATION</b> Sociology, Population	<b>RACE RELATIONS</b> Sociology, Minority Group
<b>PHILOSOPHY</b> Humanities, Philosophy and Religion	<b>POSTOPERATIVE CARE</b> Surgery, Postoperative Care	<b>RACISM</b> Civics and Government, Civil Rights Sociology, Minority Group
<b>PHOTOCHEMISTRY</b> Industrial Arts, Photography	<b>POULTRY</b> Agriculture, Livestock	<b>RADAR</b> Industrial Arts, Electrical Works and Electronics
<b>PHOTOGRAPHIC PROCESSES</b> Industrial Arts, Photography	<b>POVERTY</b> Sociology, Social Problems	<b>RADIATION</b> Chemistry, Radiation Physics, Radiation
<b>PHOTOGRAPHY</b> Industrial Arts, Photography	<b>POWER SYSTEMS</b> Industrial Arts, Engines and Power Systems	<b>RADIO</b> Education, Mass Media Electronics, Communication
<b>PHYSICAL ACTIVITIES</b> Recreation, Physical Activities	<b>PREGNANCY</b> Medicine, Pregnancy	<b>RADIO SERVICING</b> Industrial Arts, Electrical Works and Electronics
<b>PHYSICAL EDUCATION</b> Education, Curriculum Recreation, Physical Activities	<b>PREJUDICE</b> Sociology, Human Relations	<b>RADIOISOTOPE</b> Atomic Energy, Radioisotope Physics, Radioisotope
<b>PHYSICAL FITNESS</b> Recreation, Physical Activities	<b>PREOPERATIVE CARE</b> Surgery, Preoperative Care	<b>RADIOLOGY</b> Health, Radiology
<b>PHYSICAL SCIENCE</b> Physical Science	<b>PRESIDENTIAL LIBRARIES</b> Civics and Government, Government Agencies Education, Library Science	<b>RADIUM THERAPY</b> Health, Radiology Medicine, Cancer
<b>PHYSICAL THERAPY</b> Rehabilitation, Physical Therapy	<b>PRIMATOLOGY</b> Biology, Primatology	<b>RAIL</b> Business and Economics, Transportation
<b>PHYSICS</b> Physics	<b>PRINTING</b> Industrial Arts, Graphic Arts	<b>RAIN</b> Physical Science, Weather
<b>PICTURES</b> Industrial Arts, Photography	<b>PRISMS</b> Industrial Arts, Optics	<b>RAYS</b> Physics, Spectrum
<b>PIPEFITTING</b> Industrial Arts, Metallurgy Marine, Shipbuilding	<b>PRISONS</b> Sociology, Penology	<b>REACTOR</b> Atomic Energy, Reactor
<b>PLANER</b> Industrial Arts, Woodworking	<b>PROGRAMMING</b> Business and Economics, Computer Science and Data Processing	<b>RECONSTRUCTION</b> History, Civil War Period to 1900
<b>PLANETS</b> Physical Science, Astronomy Physical Science, Space and Solar System	<b>PROPELLERS</b> Aviation, Inspection and Maintenance Marine, Maintenance Marine, Shipbuilding	<b>RECREATION</b> Recreation
<b>PLANT SCIENCE</b> Agriculture, Plant Science	<b>PROPULSION</b> Space Programs, Propulsion	<b>RECYCLING</b> Biology, Ecology Business and Economics, Technique and System Health, Environmental Health
<b>PLANTING</b> Agriculture, Plant Science	<b>PROTECTION</b> Civics and Government, Security Control	<b>REFORMATORY</b> Sociology, Penology
<b>PLASTICS</b> Industrial Arts, Plastics	<b>PROTOZOA</b> Biology, Microbiology	<b>REFRIGERATION</b> Industrial Arts, Refrigeration
<b>PLATINUM</b> Chemistry, Metallurgy	<b>PSYCHIATRY</b> Medicine, Psychiatry and Psychology	<b>REHABILITATION</b> Rehabilitation
<b>PLAYGROUND ACTIVITIES</b> Recreation, Playground Activities	<b>PSYCHOANALYSIS</b> Medicine, Neurology Medicine, Psychiatry and Psychology	<b>RELATIONSHIP</b> Sociology, Human Relations
<b>PLAYS</b> Humanities, Drama	<b>PSYCHOLOGY</b> Medicine, Psychiatry and Psychology	<b>RELIGION</b> Humanities, Philosophy and Religion
<b>PLUMBING</b> Industrial Arts, Plumbing	<b>PUBLIC HEALTH</b> Health, Public Health	<b>REPAIR</b> Aviation, Repair
<b>POISONS</b> Medicine, Pharmacology and Toxicology	<b>PUERTO RICO</b> Geography, Foreign Countries	<b>REPTILES</b> Biology, Zoology
<b>POLAR EXPLORATION</b> Geography, Arctic and Antarctic	<b>QUALITY CONTROL</b> Business and Economics, Quality Control	
<b>POLICE</b> Civics and Government, Law Enforcement		

<b>RESCUE</b>	<b>SAFETY BELT</b>	<b>SHIPS</b>
Aviation, Search and Rescue Marine, Search and Rescue	Safety, Automobile Safety, Industry	Business and Economics, Transportation
<b>RESEARCH</b>	<b>SAILING</b>	<b>SINGING</b>
Atomic Energy, Research Aviation, Research and Development Health, Research Marine, Research Medicine, Research Physics, Research	Marine, Navigation Marine, Rules of the Road	Recreation, Singing
<b>RESERVE OFFICERS' TRAINING CORPS</b>	<b>SALESMANSHIP</b>	<b>SINGLE FACE SURFACER</b>
Civics and Government, Defense System Education, Technology	Business and Economics, Salesmanship and Marketing	Industrial Arts, Woodworking
<b>RESERVOIRS</b>	<b>SANDER</b>	<b>SKIN</b>
Biology, Natural Resources	Industrial Arts, Woodworking	Medicine, Dermatology
<b>RESPIRATORY SYSTEM</b>	<b>SANITARY</b>	<b>SLUMS</b>
Medicine, Respiratory System	Health, Sanitation	Sociology, Social Problems Sociology, Urbanization
<b>RETAILING</b>	<b>SANITARY ENGINEERING</b>	<b>SMALL BUSINESS</b>
Business and Economics, Salesmanship and Marketing	Health, Environmental Health	Business and Economics, Small Business
<b>RETIREMENT</b>	<b>SANITATION</b>	<b>SMITHSONIAN INSTITUTION</b>
Sociology, Aging	Health, Sanitation	Education, Educational Institutions Geography, United States
<b>REVOLUTIONARY WAR PERIOD</b>	<b>SATELLITE</b>	<b>SMOKEY THE BEAR</b>
History, Revolutionary War Period to 1783	Space Programs, Satellite	Safety, Fire
<b>RIFT</b>	<b>SCHIZOPHRENIA</b>	<b>SMOKING</b>
Physical Science, Geology	Medicine, Psychiatry and Psychology	Health, Safety
<b>RIVERS</b>	<b>SCHOOLS</b>	<b>SNOW</b>
Biology, Natural Resources Geography, Foreign Countries Geography, United States	Education, Aims and Objectives Education, Educational Institutions	Physical Science, Weather
<b>RIVETING</b>	<b>SCIENCE</b>	<b>SOCIAL PROBLEMS</b>
Aviation, Repair Industrial Arts, Metallurgy Marine, Shipbuilding	Atomic Energy Biology Chemistry Physical Science	Sociology, Social Problems
<b>ROADS</b>	<b>SCINTILLATION COUNTER</b>	<b>SOCIAL SCIENCE</b>
Engineering, Highway	Chemistry, Technique and Equipment	Civics and Government Geography History Sociology
<b>ROAD CONSTRUCTION</b>	<b>SCULPTURE</b>	<b>SOCIAL SECURITY</b>
Industrial Arts, Construction Industrial Arts, Engineering	Humanities, Fine Arts	Sociology, Aging Sociology, Social Problems
<b>ROCKETRY</b>	<b>SEAMANSHIP</b>	<b>SOCIAL WELFARE</b>
Space Programs, Propulsion	Marine, Seamanship	Sociology, Social Work
<b>ROCKS</b>	<b>SEAPORTS</b>	<b>SOCIAL WORK</b>
Physical Science, Geology	Business and Economics, Transportation	Sociology, Social Work
<b>ROCKY MOUNTAINS</b>	<b>SEARCH</b>	<b>SOCIOLOGY</b>
Geography, United States	Aviation, Search and Rescue Marine, Search and Rescue	Sociology
<b>ROOFING</b>	<b>SEAT BELT</b>	<b>SOIL CONSERVATION</b>
Industrial Arts, Construction	Safety, Automobile	Agriculture, Soil Conservation
<b>ROTARY ENGINES</b>	<b>SECURITY CONTROL</b>	<b>SOIL MANAGEMENT</b>
Industrial Arts, Engines and Power Systems	Civics and Government, Security Control	Agriculture, Soil Conservation
<b>ROTATION OF CROPS</b>	<b>SERUM</b>	<b>SOLAR SYSTEM</b>
Agriculture, Plant Science	Medicine, Pharmacology and Toxicology	Physical Science, Space and Solar System
<b>RUBBER</b>	<b>SEX EDUCATION</b>	<b>SOLDERING</b>
Business and Economics, Industry	Health, Sexuality and Sex Education	Industrial Arts, Soldering
<b>RULES OF THE ROAD</b>	<b>SEXUALITY</b>	<b>SOLID WASTES</b>
Marine, Rules of the Road	Health, Sexuality and Sex Education	Health, Environmental Health
<b>RUSSIA</b>	<b>SHAPER</b>	<b>SORORITIES</b>
Geography, Foreign Countries	Industrial Arts, Woodworking	Recreation, Clubs
<b>SAFETY</b>	<b>SHARECROPPING</b>	<b>SOUNDS</b>
Atomic Energy, Safety, Waste Disposal, and Monitoring Health, Safety Safety Space Programs, Safety	Agriculture, Farm Work	Physics, Acoustics
	<b>SHIPBUILDING</b>	<b>SPACE</b>
	Marine, Shipbuilding	Physical Science, Space and Solar System
	<b>SHIPPING</b>	<b>SPACE EXPLORATION</b>
	Business and Economics, Transportation	Space Programs, Space Exploration
		<b>SPACE PROBES</b>
		Space Programs, Space Exploration
		<b>SPACE PROGRAMS</b>
		Space Programs

<b>SPACE STATIONS</b>	<b>SURGERY</b>	<b>TIMBERLAND</b>
Space Programs, Facilities	Surgery	Biology, Natural Resources
<b>SPACE TECHNOLOGY</b>	<b>SURPLUS</b>	<b>TISSUE SYSTEM</b>
Space Programs	Business and Economics, Materials Handling	Medicine, Cytology and Tissue System
<b>SPACE VEHICLE</b>	<b>SURVEYING</b>	<b>TOBACCO</b>
Space Programs, Propulsion	Industrial Arts, Engineering	Agriculture, Crops
<b>SPACE WALK</b>	<b>SWIMMING</b>	<b>TOPOGRAPHY</b>
Space Programs, Space Exploration	Recreation, Physical Activities	Industrial Arts, Maps
<b>SPAIN</b>	<b>SYMPTOMS</b>	<b>TORNADOES</b>
Geography, Foreign Countries	Medicine, Diagnosis	Physical Science, Weather
<b>SPANISH LANGUAGE</b>	<b>SYSTEMS ENGINEERING</b>	<b>TOURISM</b>
Humanities, Languages	Business and Economics, Computer Science and Data Processing	Recreation, Travel
<b>SPECTRUM</b>	<b>TACTICS</b>	<b>TOXICOLOGY</b>
Physics, Spectrum	Civics and Government, Defense System	Medicine, Pharmacology and Toxicology
<b>SPEECH</b>	<b>TEACHING</b>	<b>TRADE</b>
Rehabilitation, Hearing and Speech	Medicine, Study and Teaching	Business and Economics, Salesmanship and Marketing
<b>SPIDERS</b>	<b>TEACHING METHODS</b>	<b>TRAINING</b>
Biology, Entomology	Education, Instructional Techniques Education, Teacher and Teaching	Space Programs, Training
<b>SPINDLE SHAPER</b>	<b>TECHNICAL MEASUREMENT</b>	<b>TRAINING AIDS</b>
Industrial Arts, Woodworking	Industrial Arts, Technical Measurement	Education, Instructional Techniques
<b>SPORTS</b>	<b>TEETH</b>	<b>TRAINS</b>
Recreation, Physical Activities	Dentistry, Anatomy and Physiology	Business and Economics, Transportation
<b>STARS</b>	<b>TELECOMMUNICATIONS</b>	<b>TRANSPLANT</b>
Physical Science, Astronomy Physical Science, Space and Solar System	Electronics, Equipment Industrial Arts, Electrical Works and Electronics	Surgery, Transplant
<b>STATISTICS</b>	<b>TELEGRAPH</b>	<b>TRANSPORTATION</b>
Education, Mathematics	Electronics, Equipment	Business and Economics, Transportation
<b>STEAM ENGINES</b>	<b>TELEPHONE</b>	<b>TRAVEL</b>
Industrial Arts, Engines and Power Systems	Electronics, Communication	Recreation, Travel
<b>STEEL</b>	<b>TELETYPEWRITER</b>	<b>TREATIES</b>
Business and Economics, Industry	Electronics, Equipment Industrial Arts, Electrical Works and Electronics	Civics and Government, International Relations
<b>STORMS</b>	<b>TELEVISION</b>	<b>TREES</b>
Physical Science, Weather	Education, Mass Media Electronics, Communication	Biology, Natural Resources
<b>STRIKES</b>	<b>TELEVISION SERVICING</b>	<b>TRUCKING</b>
Business and Economics, Labor and Management	Industrial Arts, Electrical Works and Electronics	Business and Economics, Transportation
<b>STROKE</b>	<b>TEMPLATES</b>	<b>TURRET LATHE</b>
Medicine, Stroke	Industrial Arts, Patternmaking	Industrial Arts, Lathe
<b>STRUCTURAL ENGINEERING</b>	<b>TENNESSEE VALLEY AUTHORITY</b>	<b>TWENTIETH CENTURY</b>
Industrial Arts, Engineering	Civics and Government, Government Agencies Engineering, Electromechanism	History, Twentieth Century
<b>SUBMARINE</b>	<b>TERMITES</b>	<b>TYPE SETTING</b>
Marine, Submarine	Biology, Entomology	Industrial Arts, Graphic Arts
<b>SUBURBANIZATION</b>	<b>TERRACING</b>	<b>TYPING</b>
Sociology, Urbanization	Agriculture, Soil Conservation	Business and Economics, Office Procedure
<b>SUBWAYS</b>	<b>TETANUS</b>	<b>U-BOATS</b>
Business and Economics, Transportation	Medicine, Pharmacology and Toxicology	Marine, Submarine
<b>SUN</b>	<b>TERAPEUTICS</b>	<b>UNDERSEA TECHNOLOGY</b>
Physical Science, Astronomy Physical Science, Space and Solar System	Medicine, Therapeutics	Physical Science, Oceanography
<b>SUPERVISION</b>	<b>THERAPY</b>	<b>UNION OF SOVIET SOCIALIST REPUBLICS</b>
Business and Economics, Supervision	Medicine, Therapeutics Rehabilitation, Occupational Therapy Rehabilitation, Physical Therapy	Geography, Foreign Countries
<b>SUPERVISORY TRAINING</b>	<b>TIDES</b>	<b>UNIONS</b>
Business and Economics, Supervision	Physical Science, Oceanography	Business and Economics, Labor and Management
<b>SUPPLY</b>		<b>UNITED KINGDOM</b>
Business and Economics, Materials Handling		Geography, Foreign Countries
<b>SUPREME COURT</b>		<b>UNITED NATIONS</b>
Civics and Government, Government Agencies		Civics and Government, United Nations
Civics and Government Law Enforcement		<b>UNITED STATES</b>
Sociology, Crime		Geography, United States
		<b>UNIVERSE</b>
		Physical Science, Astronomy Physical Science, Space and Solar System

**URBAN STUDIES**  
Sociology, Urbanization  
**URBANIZATION**  
Sociology, Urbanization  
**VACATIONING**  
Recreation, Leisure Time  
Recreation, Travel  
**VACCINATION**  
Medicine, Pharmacology and Toxicology  
**VANDALISM**  
Sociology, Crime  
**VARIETY SAW**  
Industrial Arts, Woodworking  
**VEGETABLES**  
Agriculture, Crops  
**VERTICAL BORING**  
Industrial Arts, Boring Machine  
**VERTICAL MILLING**  
Industrial Arts, Milling Machine  
**VETERINARY MEDICINE**  
Medicine, Veterinary Medicine  
**VIETNAM WAR**  
History, Vietnam War  
**VIROLOGY**  
Medicine, Virology  
**VISUAL SYSTEMS**  
Education, Instructional Techniques  
**VOCATIONAL GUIDANCE**  
Education, Careers  
Education, Counseling  
**VOLCANOES**  
Physical Science, Geology  
**VOLUME**  
Education, Mathematics  
Industrial Arts, Technical Measurements  
**VOTING**  
Civics and Government, Democracy

**WASTE DISPOSAL**  
Atomic Energy, Safety, Waste Disposal, and Monitoring  
**WATER**  
Biology, Natural Resources Safety, Water  
**WATER POLLUTION**  
Health, Environmental Health  
**WATER RESOURCES**  
Agriculture, Soil Conservation Biology, Natural Resources  
**WATER SAFETY**  
Safety, Water  
**WATER TREATMENT**  
Industrial Arts, Water Treatment  
**WEAPON**  
Atomic Energy, Weapon  
**WEAPON SYSTEMS**  
Civics and Government, Defense System  
**WEATHER**  
Physical Science, Weather  
**WELDING**  
Industrial Arts, Welding  
**WELFARE SERVICES**  
Sociology, Social Work  
**WHEELCHAIRS**  
Rehabilitation, Equipment  
**WILDLIFE**  
Biology, Natural Resources  
**WILLIAMSBURG**  
Geography, United States History, Colonial Period to 1776  
**WIND**  
Physical Science, Weather  
**WIRING**  
Industrial Arts, Construction

**WOOD LATHE**  
Industrial Arts, Lathe  
Industrial Arts, Woodworking  
**WOOD PRESERVATION**  
Business and Economics, Technique and System  
Industrial Arts, Woodworking  
**WOOD PRODUCTS**  
Business and Economics, Industry  
**WOODWORKING**  
Industrial Arts, Woodworking  
**WORLD FOOD PROBLEMS**  
Sociology, Population  
Sociology, Social Problems  
**WORLD WAR I**  
History, World War I  
**WORLD WAR II**  
History, World War II  
**WOUNDS**  
Surgery, Wounds and Injuries  
**WRITING**  
Humanities, English  
**X-RAYS**  
Health, Radiology  
Physics, Radiology  
**YELLOWSTONE NATIONAL PARK**  
Geography, United States  
**YUGOSLAVIA**  
Geography, Foreign Countries  
**ZONING**  
Sociology, Urbanization  
**ZOO**  
Biology, Zoology  
**ZOOLOGY**  
Biology, Zoology  
Medicine, Biology and Zoology  
**ZOONOTIC DISEASES**  
Medicine, Veterinary Medicine

# **VI. Subject Section**

Media codes such as SL indicate media other than 15 mm (see page vii).

## **AGRICULTURE**

CROPS

- \* AMONG YOUR SOUVENIRS
  - \* BIG GAMBLE, THE COMMUNITY CANNING
  - \* COTTON - FIBER WITH A FUTURE
  - \* COTTON WAREHOUSING
  - \* COTTON WAREHOUSING (SPANISH)
  - \* FACT FINDERS, THE
  - \* GRASS - THE BIG STORY
  - \* HANDLING AND STORING APPLES IN PALLET BOXES
  - \* HANDLING FRUITS AND VEGETABLE IN WHOLESALE WAREHOUSES
  - \* MODERNIZING MARKET FACILITIES
  - \* NEW NUMBERS, THE
  - \* NEW USES FOR FARM PRODUCTS
  - \* OUR MAGIC LAND
  - \* PACKAGING FOOD FOR YOU
  - \* PESTS OR PLENTY
  - \* PLANT FOR THE FUTURE
  - \* RAISINS YOU BUY, THE
  - \* SAFE USE OF PESTICIDES
  - \* STEM RUST
  - \* THREE SQUARES, THE
  - \* WANTED - PLANT PEST DETECTIVES
  - \* WANTED--PLANT PEST DETECTIVES (SPANISH)
  - \* WATCH OUT FOR WITCHWEED

FARM MAINTENANCE

- CARE OF A TRACTOR
  - FORGE WELDING
  - FORGING WITH A HAND FORGE
  - \*MECHANIZED TRAIL EQUIPMENT
  - RECONDITIONING A CULTIVATOR
  - RECONDITIONING A GRAIN DRILL
  - RECONDITIONING A MOWER, PT 1,  
CUTTER BAR
  - RECONDITIONING A MOWER, PT 2,  
DRIVE SYSTEM
  - RECONDITIONING A TWO-BOTTOM  
TRACTOR PLOW
  - REPAINTING A FRAME BUILDING
  - SHARPENING AND TEMPERING  
FARM TOOLS
  - \*SPARK ARRESTER INSPECTION

## FARM WORK

- ## \*AGRICULTURE STORY, THE \*COUNTY AGENT, THE

- |                                |   |        |
|--------------------------------|---|--------|
| USDA                           | *DAY ON AN AMERICAN FARM, A<br>FACTORY WORKER TURNS FARMER<br>FARMER AND I, THE | USDA   |
| USDA                           | *HARVEST OF COOPERATION   | USDA   |
| USOE                           | *HORSE SENSE  | USDA   |
| USDA                           | *OUT OF THE WOODS   | USDA   |
| USDA                           | *RANCHERS AND RANGERS   | USDA   |
| USDA                           | *RANCHERS AND RANGERS<br>(SPANISH)  | USDA   |
| USDA                           | *REA STORY, THE<br>RIVER, THE   | USDA   |
| USDA                           | *SAVE MORE LAMBS  | USDA   |
| USDA                           | *SIGN OF PROFIT   | USDA   |
| USDA                           | *THREE SQUARES, THE   | USDA   |
| USDA                           | *WEATHERPROOFING BACA COUNTY  | USDA   |
| USDA                           | *WHO SHALL REAP   | USDA   |
| USDA                           | *WHO SHALL REAP (SPANISH)   | USDA   |
| <b>HORTICULTURE</b>            |   |        |
| USSCS                          | *FOREST PATTERNS - BEAUTY AND<br>USE  | USDA   |
| USDA                           | *GROW YOUR OWN  | USDA   |
| USDA                           | *NATIONAL ARBORETUM, THE  | USDA   |
| USDA                           | *NEW GUIDELINES FOR THE WELL-<br>LANDSCAPED HOME                                | USDA   |
| USDA                           | *ORCHIDS  | USCIAA |
| <b>INTERNATIONAL RELATIONS</b> |   |        |
| USDA                           | *AGRICULTURE, U S A   | USDA   |
| USDA                           | *AGRICULTURE'S SHOWCASE<br>ABROAD   | USDA   |
| USDA                           | *CARDBOARD COW  | USDA   |
| USOE                           | *CONSERVATION IN PUERTO RICO<br>(SPANISH)                                       | USDA   |
| USOE                           | *DON'T BRING YOUR ENEMY HOME  | USDA   |
| USOE                           | FARMER AND I, THE   | USIA   |
| USOE                           | *FARMER COOPERATION IN EUROPE   | USDA   |
| USDA                           | *FARMER FOR THE WORLD   | USDA   |
| USOE                           | *FOREIGN MARKETING NEWSREEL   | USDA   |
| USOE                           | *HARVEST OF COOPERATION<br>MIRACLE IN THE DESERT                                | USDA   |
| USOE                           | OTHER VIETNAM, THE  | USIA   |
| USOE                           | *PLUM ISLAND ANIMAL DISEASE<br>LABORATORY                                       | USDA   |
| USOE                           | SIMPLE CUP OF TEA, A  | USAID  |
| <b>LIVESTOCK</b>               |   |        |
| USOE                           | *AMONG YOUR SOUVENIRS   | USDA   |
| USDA                           | HANDLING LIVESTOCK FOR MARKET   | USOE   |
| USDA                           | *HANDLING LIVESTOCK SAFELY  | USDA   |
| USDA                           | HORSESHOEING  | USOE   |
| USDA                           | *ONE BUG IS TOO MANY  | USDA   |
| USOIAA                         | *PESTS OR PLENTY  | USDA   |

\* INDICATES NEW ENTRY

**AGRICULTURE**  
**LIVESTOCK - (Continued)**

*PLUM ISLAND ANIMAL DISEASE LABORATORY	USDA	*EMBANKMENT COMPACTION CONTROL - FAMILY OF CURVES	USFHLWA
POULTRY PROCESSING INSPECTION	USAF	*FROM THE GROUND UP	USIAA
*RANCHERS AND RANGERS	USDA	*FUNGI SNARE AND DESTROY NEMATODES (REV ED)	USDA
*RANCHERS AND RANGERS (SPANISH)	USDA	*GRASS - THE BIG STORY	USDA
*SAVE MORE LAMBS	USDA	*HERITAGE OF THE PLAINS	USDA
SHEEP SHEARING	USOE	*IN COMMON CAUSE	USDA
SHEEP SHEARING (SPANISH)	USOE	*LAND OF HAWAII	USDA
*SIGN OF PROFIT	USDA	*MOUNTAIN WATER	USDA
*SOMETHING TO CROW ABOUT	USDA	*NEW LIFE FOR THE GREAT PLAINS	USDA
*THIS IS LIVESTOCK POOLING	USDA	*NEW PATTERNS ON THE LAND	USDA
*VESICULAR EXANTHEMA	USDA	*OUR LAND - ITS MANY FACES	USDA
<b>MEAT</b>		*OUR MAGIC LAND	USSCS
CANNING BEEF	USOE	*RAINDROPS AND SOIL EROSION	USDA
CUTTING AND BONING A FOREQUARTER OF BEEF	USOE	*RANGELAND RESEARCH AT MANITOUE	USDA
CUTTING AND BONING A HINDQUARTER OF BEEF	USOE	*RANGELAND RESEARCH AT MANITOUE (FRENCH)	USDA
*HOME ON THE RANGE	USDA	RIVER, THE	USDA
*MARK OF QUALITY	USDA	RX FOR A RIVER	USAEC
*PACKAGING FOOD FOR YOU	USDA	*SAVE THE SOIL	USDA
*THAT THE BEST WILL BE OURS	USDA	*SOIL AND WATER CONSERVATION	USDA
*TRACEBACK	USDA	*TOPSOIL	USDA
<b>PLANT SCIENCE</b>		*WATER	USDA
*AGRICULTURE STORY, THE	USDA	*WATER FOR THE WEST	USDA
*AMONG YOUR SOUVENIRS	USDA	*WATER ON THE LAND	USIIAA
BLUE RIBBON	USDS	*WE SHARE THIS LAND	USDA
*CERTAIN DISTANCE, A	USDA	*WEATHERPROOFING BACA COUNTY	USDA
*COTTON - FIBER WITH A FUTURE	USDA		
*COTTON WAREHOUSING	USDA		
*COTTON WAREHOUSING (SPANISH)	USDA		
*DIRECT SEEDING OF SOUTHERN PINE	USDA		
*DON'T BRING YOUR ENEMY HOME	USDA		
*EASIER WAYS OF LOGGING	USDA		
*EASIER WAYS OF LOGGING (SPANISH)	USDA		
*EASTERN WHITE PINE	USDA		
*EMBANKMENT COMPACTION CONTROL - FAMILY OF CURVES	USFHLWA		
*ERADICATING THE KHAPRA BEETLE	USDA		
*GRASS - THE BIG STORY	USDA		
*INSECT ENEMIES	USIIAA		
*NATIONAL ARBORETUM, THE	USDA		
*NINETEEN HUNDRED FIFTY-FIVE ERUPTION OF KILAUEA VOLCANO, HAWAII	USGS		
NON-ROOT FEEDING OF PLANTS	USAEC		
*PAMELA'S TREE	USDA		
PERSPECTIVES ON PESTICIDES	USNMAC		
*PESTS OR PLENTY	USDA		
*PLANTING ISN'T ENOUGH	USDA		
*PUERTO RICO - MORE OR LESS	USDA		
*RADIATION EFFECTS ON FARM ANIMALS	USDA		
*ROUNDUP	USDA		
*ROUNDUP (SPANISH)	USDA		
*SAFE USE OF PESTICIDES	USDA		
*STEM RUST	USDA		
*TREE IS BORN, A	USDA		
*UNWANTED ALIENS	USDA		
*WANTED - PLANT PEST DETECTIVES	USDA		
*WANTED--PLANT PEST DETECTIVES (SPANISH)	USDA		
*WATCH OUT FOR WITCHWEED	USDA		
*WHO SHALL REAP	USDA		
*WHO SHALL REAP (SPANISH)	USDA		
<b>SOIL CONSERVATION</b>			
*CONSERVATION IN PUERTO RICO (SPANISH)	USDA		
* INDICATES NEW ENTRY			

**ATOMIC ENERGY**

**APPLICATION**

*ADDED SENSE, AN - THE DETECTION OF NUCLEAR RADIATION	USAEC
ATOMIC REVOLUTION IN WOOD	USAEC
ATOMIC WEATHERMAN - STRONTIUM-90 ISOTOPIC APPLICATIONS	USAEC
ATOMS FOR PEACE - GENEVA, 1968	USAEC
ATOMS FOR PEACE, PT 3, AGRICULTURE, INDUSTRY AND POWER	USIA
ATOMS FOR PEACE, PT 4, SCIENTIFIC ADVANCEMENT	USIA
ATOMS FOR PEACE, PT 5, WORKING TOGETHER	USIA
BUILDING FOR ATOMIC ENERGY	USAEC
CIVILIAN APPLICATIONS OF NUCLEAR EXPLOSIVES	USAEC
CLEAN AIR IS A BREEZE - AIRBORNE CONTAMINATION CONTROL THROUGH LAMINAR AIR FLOW	USAEC
DESALTING THE SEAS	USAEC
*DESLITING THE HUDSON	USAEC
EBR-I CORE DISASSEMBLY AFTER MELTDOWN	USAEC
EBR-II FUEL FACILITY	USAEC
HARVEST OF AN ATOMIC AGE	USIA
HIGH ENERGY PEOPLE, THE	USAEC
INDUSTRIAL APPLICATIONS OF NUCLEAR EXPLOSIVES	USAEC
INDUSTRIAL APPLICATIONS OF RADIOISOTOPES	USAEC
INTRODUCTION TO ANALOG COMPUTERS	USAEC
JOURNAL OF PLUTONIUM, A MAN AND RADIATION	USAEC
MAN AND THE ATOM	USAEC
NO GREATER CHALLENGE	USAEC
NUCLEAR POWER AND THE ENVIRONMENT	USAEC
NUCLEAR SHIP SAVANNAH	USAEC
	USIA

**ATOMIC ENERGY  
APPLICATION - (Continued)**

<b>*OPPORTUNITY UNLIMITED - FRIENDLY ATOMS IN INDUSTRY</b>	USAEC	<b>ENGINEERING</b>	
PLOWSHARE	USAEC	ACCEL - AUTOMATED CIRCUIT CARD	
PROJECT DUGOUT	USAEC	ETCHING LAYOUT	USAEC
PROJECT GASBUGGY--THE RESOURCEFUL ATOM	USAEC	BUILDING FOR ATOMIC ENERGY	USAEC
PROJECT GNOME	USAEC	*COMPUTER COLOR GENERATIONS	USAEC
PROJECT SEDAN	USAEC	ENGINEERING TEST REACTOR	USAEC
<b>*RADIOISOTOPE APPLICATIONS IN INDUSTRY</b>	USAEC	ENGINEERING TEST REACTOR	USAEC
<b>*RADIOISOTOPE APPLICATIONS IN MEDICINE</b>	USAEC	FUNDAMENTALS OF MECHANICAL VIBRATION	USAEC
RADIOISOTOPES - SAFE SERVANTS OF INDUSTRY	USAEC	HORIZONS UNLIMITED, PT 1	USAEC
<b>*RADIOISOTOPES IN BIOLOGY AND AGRICULTURE</b>	USAEC	OPERATING EXPERIENCE - INDIAN POINT	USAEC
SANDIA SPINOFF	USAEC	PORTSMOUTH STORY, THE	USAEC
ZERO POWER REACTOR 3 (ZPR-3)	USAEC	REACTOR SAFETY RESEARCH	USAEC
<b>BIOLOGY AND MEDICINE</b>		RESPONSE TO MECHANICAL SHOCK	USAEC
ACROMEGALY (DIAGNOSIS- ETIOLOGY-THERAPY)	USAEC	TERRADYNAMICS	USAEC
ATOMS FOR PEACE, PT 2, MEDICINE	USIA	<b>FABRICATION</b>	
ATOMS ON THE FARM	USAEC	CERAMIC FUEL FABRICATION	USAEC
CHROMOSOME LABELING BY TRITIUM	USAEC	DEVELOPMENT FOR PRTR	
COBALT-60 RELOADING	USAEC	CURRENT METHODS IN PLUTONIUM FUEL FABRICATION	USAEC
COUNTING WHOLE BODY RADIOACTIVITY	USAEC	DEVELOPMENT AND FABRICATION OF HFIR TARGET ELEMENTS	USAEC
DIAGNOSIS AND THERAPY WITH RADIATION	USAEC	EXPERIMENTAL BREEDER REACTOR I, MARK 3	USAEC
<b>*FALLOUT AND AGRICULTURE</b>	USAEC	FABRICATION OF PLUTONIUM DISKS	USAEC
FARM FRESH TO YOU	USDA	FABRICATION OF RESEARCH REACTOR FUEL ELEMENTS	USAEC
FRESHER THE BETTER, THE HEAVY PARTICLE BEAMS IN MEDICINE	USAEC	FABRICATION OF SNAP-7D FUEL SOURCES	USAEC
HUMAN RADIOACTIVITY MEASUREMENTS	USAEC	FABRICATION OF THE ACCELERATOR STRUCTURE	USAEC
IODINE-131	USAEC	NOVEL METHODS OF FUEL FABRICATION	USAEC
IONIZING RADIATION IN HUMANS	USAEC	ORGANIC MODERATED REACTOR EXPERIMENT	USAEC
ISOTOPES IN THE DIAGNOSIS OF ANEMIA	USNMAC	PLUTONIUM FUEL FABRICATION FOR MTR	USAEC
LASER-MIRACLES WITH LIGHT	USA	PLUTONIUM FUEL FABRICATION, EBR-I, MARK 4	USAEC
LIQUID SCINTILLATION COUNTING	USAEC	PLUTONIUM METAL PREPARATION	USAEC
MANY FACES OF ARGONNE, THE MEDICAL RESEARCH REACTOR	USAEC	PLUTONIUM RECYCLE	USAEC
MIT RESEARCH REACTOR	USAEC	PROJECT ROVER	USAEC
MODIFICATION OF RADIATION INJURY IN MICE	USAEC	SODIUM REACTOR EXPERIMENT	USAEC
MOLECULAR BIOLOGY - AN INTRODUCTION	USAEC	SODIUM REACTOR EXPERIMENT FABRICATION	USAEC
NON-ROOT FEEDING OF PLANTS	USAEC	THORIUM - U233 UTILIZATION	USAEC
NUCLEAR POWER AND THE ENVIRONMENT	USAEC	WEATHER EYE, THE	USAEC
<b>PHYSICAL PRINCIPLES OF RADILOGICAL SAFETY, THE RADIATION IN PERSPECTIVE</b>	USA	<b>RADIOISOTOPE</b>	
RADIATION PROTECTION IN NUCLEAR MEDICINE	USAEC	ATOM AND THE MAN ON THE MOON,	USAEC
<b>*RADIOISOTOPE APPLICATIONS IN MEDICINE</b>	USAEC	THE ATOMIC WEATHERMAN - STRONTIUM-90 ISOTOPIC APPLICATIONS	USAEC
<b>*RADIOISOTOPES IN BIOLOGY AND AGRICULTURE</b>	USAEC	ATOMS FOR PEACE, PT 1,	USIA
<b>*RADILOGICAL SAFETY</b>	USAEC	INTRODUCING THE ATOM	
RETURN TO BIKINI	USAEC	CHROMOSOME LABELING BY TRITIUM	USAEC
<b>*ROUNDUP</b>	USDA	INDUSTRIAL APPLICATIONS OF RADIOISOTOPES	USAEC
<b>*ROUNDUP (SPANISH)</b>	USDA	ISOTOPES	USAEC
SAFE HANDLING OF LABORATORY ANIMALS	USNMAC	MAN AND THE ATOM	USAEC
SCINTILLATION CAMERA FOR MEDICAL DIAGNOSIS	USAEC	NON-ROOT FEEDING OF PLANTS	USAEC
TELETHERAPY AND BRACHYTHERAPY	USAEC	*OPPORTUNITY UNLIMITED - FRIENDLY ATOMS IN INDUSTRY	USAEC
		OUR NEAREST STAR	USAEC
		PHYSICAL PRINCIPLES OF RADILOGICAL SAFETY, THE PRACTICAL PROCEDURES OF MEASUREMENT	USA
		PROPERTIES OF RADIATION	USA
		*RADIOISOTOPE APPLICATIONS IN INDUSTRY	USAEC

\* INDICATES NEW ENTRY

# ATOMIC ENERGY

## RADIOISOTOPE - (Continued)

*RADIOISOTOPE APPLICATIONS IN MEDICINE	USAEC	PIQUA NUCLEAR POWER FACILITY, THE	USAEC
RADIOISOTOPES - SAFE SERVANTS OF INDUSTRY	USAEC	PM-1 NUCLEAR POWER PLANT PM-3A NUCLEAR POWER PLANT- -ANTARCTICA	USAEC
*RADIOISOTOPES IN BIOLOGY AND AGRICULTURE	USAEC	POWER AND PROMISE PRINCIPLES OF THERMAL, FAST, AND BREEDER, REACTORS	USAEC
RADIOISOTOPES IN GENERAL SCIENCE	USA	REACTOR FUEL PROCESSING REACTOR SAFETY RESEARCH	USAEC
TELETHERAPY AND BRACHYTHERAPY	USAEC	REMOTE MAINTENANCE OF MOLTEN SALT REACTORS	USAEC
WEATHER EYE, THE	USAEC	RESEARCH REACTOR SAFETY DEVICE	USAEC
<b>REACTOR</b>		RESTORATION OF THE NRX REACTOR	USAEC
ADVANCED TEST REACTOR	USAEC	SHEAR-LEACH PROCESS FOR SPENT NUCLEAR FUELS	USAEC
ARGONNE FAST SOURCE REACTOR	USAEC	SODIUM REACTOR EXPERIMENT	USAEC
ARMOUR RESEARCH REACTOR	USAEC	SODIUM REACTOR EXPERIMENT FABRICATION	USAEC
ARMY PACKAGE POWER REACTOR	USAEC	THORIUM - U233 UTILIZATION	USAEC
ATOMIC POWER TODAY - SERVICE WITH SAFETY	USAEC	TOMORROW'S POWER - TODAY UNDER WAY	USAEC
ATOMIC POWER TODAY - SERVICE WITH SAFETY	USAEC	VALLECITOS BOILING WATER REACTOR	USAEC
ATOMS FOR PEACE, PT 7, ATOMIC POWER AND THE U S	USIA	ZERO POWER REACTOR 3 (ZPR-3)	USAEC
BASIC PRINCIPLES OF POWER REACTORS	USAEC	<b>RESEARCH</b>	
BONUS FOR PUERTO RICO	USAEC	ACROMEGALY (DIAGNOSIS- ETIOLOGY-THERAPY)	USAEC
BORAX - CONSTRUCTION AND OPERATION OF A BOILING WATER REACTOR	USAEC	*ADDED SENSE, AN - THE DETECTION OF NUCLEAR RADIATION	USAEC
CERAMIC FUEL FABRICATION DEVELOPMENT FOR PTRR	USAEC	ADVANCED TEST REACTOR	USAEC
CONSTRUCTION OF THE ARGONNE RESEARCH REACTOR	USAEC	AIR AND GAS CLEANING FOR NUCLEAR ENERGY	USAEC
CONSTRUCTION OF THE EXPERIMENTAL BOILING WATER REACTOR	USAEC	ANALYSIS OF NUCLEON - NUCLEON SCATTERING EXPERIMENTS	USAEC
DEVELOPING HOMOGENEOUS REACTORS	USAEC	ARMOUR RESEARCH REACTOR	USAEC
DRESDEN NUCLEAR POWER STATION	USAEC	ATOM AND THE MAN ON THE MOON, THE	USAEC
ENGINEERING TEST REACTOR	USAEC	ATOM, THE - YEAR OF PURPOSE	USAEC
ENGINEERING TEST REACTOR	USAEC	ATOMIC SEARCH, THE	USAEC
EXPERIMENTAL BOILING WATER REACTOR, THE	USAEC	ATOMIC TESTS IN NEVADA	USAEC
EXPERIMENTAL BREEDER REACTOR 1, MARK 3	USAEC	ATOMS FOR SPACE	USAEC
FAST REACTOR DEVELOPMENT	USAEC	ATOMS FOR THE AMERICAS	USAEC
FAST REACTOR PROGRAM	USAEC	ATOMS ON THE FARM	USAEC
FIFTH FUEL, THE	USAEC	BEGINNING WITHOUT END, A CHALLENGE OF THE UNKNOWN, THE CIVILIAN APPLICATIONS OF NUCLEAR EXPLOSIVES	USAEC
FIRST REACTOR IN SPACE - SNAP-10A	USAEC	CONSTRUCTION OF THE ARGONNE RESEARCH REACTOR	USAEC
HALLAM NUCLEAR POWER FACILITY	USAEC	CONSTRUCTION OF THE EXPERIMENTAL BOILING WATER REACTOR	USAEC
HOMOGENEOUS REACTOR EXPERIMENT 2	USAEC	CURRENT METHODS IN PLUTONIUM FUEL FABRICATION	USAEC
MANY FACES OF ARGONNE, THE	USAEC	DEVELOPING HOMOGENEOUS REACTORS	USAEC
MEDICAL RESEARCH REACTOR	USAEC	DEVELOPMENT AND FABRICATION OF HFIR TARGET ELEMENTS	USAEC
MOLTEN SALT REACTOR EXPERIMENT	USAEC	DISPERSION THEORY APPROACH TO NUCLEON NUCLEAR SCATTERING	USAEC
NAVAL RESEARCH LABORATORY REACTOR	USAEC	ENGINEERING TEST REACTOR	USAEC
NEW POWER, THE	USAEC	ENGINEERING TEST REACTOR	USAEC
NUCLEAR REACTOR FOR SPACE	USAEC	ENVIRONMENTAL TESTING AT SANDIA	USAEC
NUCLEAR REACTOR SPACE POWER SYSTEMS	USAEC	EXPLORATION AT BOULDER	USNBS
NUCLEAR SHIP SAVANNAH, THE	USAEC	FABRICATION OF RESEARCH REACTOR FUEL ELEMENTS	USAEC
NUCLEAR SHIP SAVANNAH, THE	USAEC	FABRICATION OF SNAP-7D FUEL SOURCES	USAEC
OMRE FUEL ELEMENT REMOVAL AND SECOND CORE LOADING	USAEC	FABRICATION OF THE ACCELERATOR STRUCTURE	USAEC
OPERATING EXPERIENCE - DRESDEN	USAEC		
OPERATING EXPERIENCE - HALLAM	USAEC		
OPERATING EXPERIENCE - INDIAN POINT	USAEC		
OPERATING EXPERIENCE - YANKEE	USAEC		
ORGANIC MODERATED REACTOR EXPERIMENT	USAEC		
OUR NEAREST STAR	USAEC		

\* INDICATES NEW ENTRY

**ATOMIC ENERGY  
RESEARCH - (Continued)**

FAST REACTOR DEVELOPMENT	USAEC	RESTORATION OF THE NRX	USAEC
FAST REACTOR PROGRAM	USAEC	REACTOR	USAEC
FIRST CHEMICAL SEPARATION OF LAWRENCIUM	USAEC	RETURN TO BIKINI	USAEC
FRESHER THE BETTER, THE FUNDAMENTALS OF RADIACTIVE INSTRUMENTS	USAEC	*SAFETY IN SALT - THE TRANSPORTATION, HANDLING AND DISPOSAL OF RADIOACTIVE WASTE	USAEC
FUSION RESEARCH	USA	SANDIA SPINOFF	USAEC
HEAVY PARTICLE BEAMS IN MEDICINE	USAEC	SHEAR-LEACH PROCESS FOR SPENT NUCLEAR FUELS	USAEC
HORIZONS UNLIMITED, PT 1	USAEC	SKYWARD THE GREAT SHIPS	USNASA
INDUSTRIAL APPLICATIONS OF NUCLEAR EXPLOSIVES	USAEC	SNAP-3 OPERATIONAL TESTS	USAEC
LINK	USAEC	SODIUM REACTOR EXPERIMENT	USAEC
MAGNETIC BOTTLE, THE - ATOMS FOR PEACE	USIA	SODIUM REACTOR EXPERIMENT FABRICATION	USAEC
MAN AND RADIATION	USAEC	SOLAR ECLIPSE EXPEDITION, 1966	USAEC
MANY FACES OF ARGONNE, THE MIRACLE IN THE DESERT - THE STORY OF HANFORD	USAEC	TERNARY PHASE DIAGRAM	USAEC
MIT RESEARCH REACTOR	USAFC	THORIUM - U233 UTILIZATION	USAEC
MOLECULAR BIOLOGY - AN INTRODUCTION	USAEC	TIDAL POWER	USAEC
MOLTEN SALT REACTOR EXPERIMENT	USAEC	TOMORROW'S POWER - TODAY	USAEC
MONO LAKE PROJECT	USAEC	TRIP STEEL	USAEC
NAVAL RESEARCH LABORATORY REACTOR	USAEC	UNDERGROUND NUCLEAR WEAPONS TESTING	USAEC
NEUTRON ACTIVATION	USAEC	VALLECITOS BOILING WATER REACTOR	USAEC
NEUTRON DIFFRACTION	USAEC	VELA PROGRAM - SATELLITE DETECTION SYSTEM	USAEC
NEUTRON IMAGE DETECTOR	USAEC	WEATHER EYE, THE	USAEC
NEW POWER, THE	USAEC	*WEB OF LIFE - ENDLESS CHAIN	USAEC
NO GREATER CHALLENGE	USAEC	XENON TETRAFLUORIDE	USAEC
NUCLEAR POWER AND THE ENVIRONMENT	USAEC	ZERO POWER REACTOR 3 (ZPR-3)	USAEC
OAK RIDGE NATIONAL LABORATORY AND ITS SCIENTIFIC ACTIVITIES	USAEC	<b>SAFETY, WASTE DISPOSAL AND MONITORING</b>	
OAK RIDGE RESEARCH REACTOR OF MAN AND MATTER	USAEC	ATOMIC POWER TODAY - SERVICE WITH SAFETY	USAEC
OMRE FUEL ELEMENT REMOVAL AND SECOND CORE LOADING	USAEC	ATOMS ON THE MOVE - TRANSPORTATION OF RADIOACTIVE MATERIALS	USAEC
OPERATING EXPERIENCE - YANKEE	USAEC	BETA RAY SPECTROMETER	USAEC
*OPERATION CROSSROADS	USN	COBALT-60 RELOADING	USAEC
OPERATION CROSSROADS	USN	CONTROLLING RECORDS FIRES WITH HIGH EXPANSION FOAM	USAEC
OPERATION CUE (REVISED)	USOCD	EXPERIMENTS IN CONTROLLING BRUSH FIRES WITH DETERGENT FOAM	USAEC
OPERATION GREENHOUSE	USAEC	FIRE FIGHTING IN THE NUCLEAR AGE	USAEC
OPERATION IVY	USAEC	FIRE LOSS MANAGEMENT, PT 2, COMPUTER INSTALLATIONS	USAEC
OPERATION LONG SHOT	USAEC	FUEL ELEMENT BURNING EXPERIMENT	USAEC
*OPPORTUNITY UNLIMITED - FRIENDLY ATOMS IN INDUSTRY	USAEC	HIGH ACTIVITY WASTE	USAEC
ORGANIC MODERATED REACTOR EXPERIMENT	USAEC	IN-PILE LOOP TESTS OF HOMOGENEOUS REACTOR MATERIALS	USAEC
PERSIMMON - A NUCLEAR PHYSICS EXPERIMENT	USAEC	KINETIC EXPERIMENT ON WATER BOILERS	USAEC
PIQUA NUCLEAR POWER FACILITY, THE	USAEC	LIVING WITH A GLOVED BOX	USAEC
PLOWSHARE	USAEC	LIVING WITH RADIATION	USAEC
PROJECT DUGOUT	USAEC	MICRODEFORMATION OF URANIUM	USAEC
PROJECT GASBUGGY--THE RESOURCEFUL ATOM	USAEC	OPERATING EXPERIENCE - DRESDEN	USAEC
PROJECT GNOME	USAEC	PROJECT SALT VAULT	USAEC
PROJECT ROVER	USAEC	R-A-P - RADILOGICAL ASSISTANCE PROGRAM - TEAMWORK IN EMERGENCIES	USAEC
PROJECT SEDAN	USAEC	RADIATION IN PERSPECTIVE	USAEC
PROJECT SHOAL	USAEC	REACTOR FUEL PROCESSING	USAEC
*RADIATION DETECTION BY IONIZATION	USAEC	REGULATION OF ATOMIC RADIATION, THE	USAEC
*RADIATION DETECTION BY SCINTILLATION	USAEC	RESEARCH REACTOR SAFETY DEVICE	USAEC
RADIATION EFFECTS IN CHEMISTRY	USAEC	SAFE HANDLING OF ENRICHED URANIUM, THE	USAEC
*RADIOISOTOPES IN BIOLOGY AND AGRICULTURE	USAEC	SAFETY EXPERIMENTS WITH A BOILING REACTOR	USAEC
RADIOISOTOPES IN GENERAL SCIENCE	USA	*SAFETY IN SALT - THE	USAEC
REACTOR SAFETY RESEARCH	USAEC		
RESEARCH INTO CONTROLLED FUSION	USAEC		

\* INDICATES NEW ENTRY

**ATOMIC ENERGY**  
**SAFETY, WASTE DISPOSAL AND MONITORING - (Continued)**

TRANSPORTATION, HANDLING AND DISPOSAL OF RADIOACTIVE WASTE	USAEC	AIRSPACE SYSTEM; EN ROUTE STAGE A	USFAA
SAFETY IN THE PLOWSHARE PROGRAM	USAEC	PILOT AND AIR TRAFFIC CONTROL PROGRESS IN ALL TRAFFIC CONTROL	USAF
SL-1 ACCIDENT, PHASE 3, THE	USAEC	REINS OF COMMAND, THE - AIR FORCE COMMUNICATIONS SERVICE	USAF
SL-1 ACCIDENT, PHASES 1 AND 2, THE	USAEC	SCRAMBLE TWO - THE JOINT USE OF AIR DEFENSE AND AIR TRAFFIC CONTROL FACILITIES	USAF
SPERT 1 - REACTOR SAFETY EXPERIMENTS	USAEC	TODAY FOR TOMORROW	USFAA
TRANSPORTATION OF RADIOACTIVE MATERIALS, PT 2, ACCIDENTS	USAEC		USAF
WASTE DISPOSAL BY HYDRAULIC FRACTURING	USAEC		USFAA
WOODEN OVERCOAT, THE	USAEC		
<b>WEAPON</b>			
ATOM STRIKES, THE	USA	AIR FORCE STORY, THE - THE AIR FORCE AND THE ATOM BOMB (VOL 2, CHAP 1)	USAF
ATOM, THE - YEAR OF PURPOSE	USAEC	ANOTHER DAY OF WAR - THE USAF IN VIETNAM	USAF
ATOMIC SEARCH, THE	USAEC	EXECUTIVE CHECK	USAF
ATOMIC TESTS IN NEVADA	USAEC	TACTICAL AIR POWER	USAF
ATOMS IN THE MARKETPLACE	USAEC	THERE IS A WAY (REV ED)	USAF
CHALLENGE OF THE UNKNOWN, THE	USAF		
OPERATION CROSSROADS	USN		
OPERATION GREENHOUSE	USAEC		
OPERATION IVY	USAEC		
OPERATION LONG SHOT	USAEC		
OPERATION SANDSTONE	USAEC		
PROJECT SHOAL	USAEC		
SANDIA SPINOFF	USAEC		
UNDERGROUND NUCLEAR WEAPONS TESTING	USAEC		
VELA PROGRAM - SATELLITE DETECTION SYSTEM	USAEC		
<b>AVIATION</b>			
<b>AIR DEFENSE</b>			
ADC FIGHTER DISPERSAL PROGRAM, THE	USAF	AEROSPACE POWER	USAF
AIR FORCE TACTICAL FIREPOWER	USAF	*AIR FORCE NOW, THE, NO. 17	USAF
AIR POWER IN ACTION - THE U S AIR FORCE IN VIETNAM	USAF	AIRCRAFT FAMILIARIZATION - T2J-1	
DATA FOR SERVICE TEST	USAF	BUCKEYE, AIRCRAFT SYSTEMS -	USN
EVALUATION OF ARMY AIR DEFENSE SYSTEMS	USA	AIRCRAFT FAMILIARIZATION - T2J-1	
*EXERCISE BRIGHT STAR - PINE CONE 3	USA	BUCKEYE, CARRIER PROCEDURES	USN
EYES OF THE NORTH	USA	*B-58 BOMBING/NAVIGATION SYSTEM, PT 2, COMPUTERS	USAF
INTRODUCTION TO ARMY AIR DEFENSE SYSTEMS	USA	C-5 GALAXY - WORLD'S LARGEST AIRCRAFT	USAF
NOW SCENE, THE	USA	*CERTAIN BREED OF MAN, A	USAF
SCRAMBLE TWO - THE JOINT USE OF AIR DEFENSE AND AIR TRAFFIC CONTROL FACILITIES	USAF	*COMBAT RECOGNITION	USAF
STRATEGIC AIR COMMAND COMBAT MISSILE FORCE	USAF	EXECUTIVE CHECK	USAF
<b>AIR TRAFFIC CONTROL</b>			
*AIR FORCE NOW, THE, SCRAPBOOK, NO. 9	USAF	FLIGHT TO THE SOUTH POLE	USN
*AIR TRAFFIC CONTROL AND PERFORMING ARTS	USFAA	FLIGHT TO TOMORROW	USN
AIR TRAFFIC CONTROL PROCEDURES	USAF	*HOOK DOWN, WHEELS DOWN, PTS 1 AND 2	USN
*AREA NAVIGATION	USFAA	JETS ABOARD - OPERATION OF JET AIRCRAFT ABOARD CARRIERS	USN
*BASIC RADIO PROCEDURES FOR PILOTS	USFAA	OPERATION OF JET AIRCRAFT ENGINES	USN
CONTROLLER-COMPUTER PARTNERSHIP, THE	USFAA	PLANE IS BORN, A	USFAA
FLIGHT SERVICE STATION, THE	USFAA	PLANE SENSE	USFAA
*HOW TO SUCCEED WITHOUT REALLY FLYING	USFAA	PROJECT SLUSH	USFAA
INTRODUCTION TO NAS (NATIONAL	USFAA	RENDEZVOUS 90 DEGREES	
		FAHRENHEIT SOUTH	USAF
		SLOW-SPEED FLIGHT	
		CHARACTERISTICS OF	
		SWEPTWING AIRCRAFT	
		TACTICAL AIR POWER	USN
		TODAY FOR TOMORROW	USAF
			USFAA
<b>FACILITIES</b>			
	USAF	*AIR FORCE NOW, THE, NO. 07	USAF
		*AIR FORCE NOW, THE, NO. 13	USAF
		*AIR FORCE NOW, THE, NO. 15	USAF
		AIR OPERATIONS IN THE ANTARCTIC	USN
		*AIR TRAFFIC CONTROL AND	
		PERFORMING ARTS	USFAA
		AIR WEATHER SERVICE OF THE	
		USAF, THE	USAF
		ALL WEATHER TESTING OF	
		AERONAUTICAL SYSTEMS	USAF
		BEST INVESTMENT WE EVER MADE,	
		THE	USFAA
		DULLES INTERNATIONAL AIRPORT -	
		PROGRESS REPORT	USFAA
		EXECUTIVE CHECK	USAF
		EYES OF THE NORTH	USAF
		FLIGHT SERVICE STATION, THE	USFAA
		FLIGHT TO TOMORROW	USNASA

\* INDICATES NEW ENTRY

**AVIATION  
FACILITIES - (Continued)**

FROM THE GROUND UP  
 \*GENERAL AVIATION - FACT OR  
 FICTION  
 INSPECTORS, THE  
 IT PAYS TO STAY OPEN  
 NOW 'AIRPORT'  
 NOW SCENE, THE  
 OXYGEN, NITROGEN GENERATING  
 PLANT DISTILLATION COLUMN  
 CONTROL  
 PILOT AND AIR TRAFFIC CONTROL  
 SCRAMBLE TWO - THE JOINT USE  
 OF AIR DEFENSE AND AIR  
 TRAFFIC CONTROL FACILITIES  
 SELF - THE MOBILE AIRFIELD  
 SPACE AGE RAILROAD  
 SPOTLIGHT ON RECOVERY  
 STRATEGIC AIR COMMAND COMBAT  
 MISSILE FORCE  
 TACTICAL AIR POWER  
 TODAY FOR TOMORROW  
 TOWARD THE UNEXPLORED

**FLIGHT TRAINING**

\*AIR FORCE LEAVE AND PASS  
 POLICIES  
 \*AIR FORCE NOW, THE, NO. 05  
 \*AIR FORCE NOW, THE, NO. 06  
 \*AIR FORCE NOW, THE, NO. 07  
 \*AIR FORCE NOW, THE, NO. 11  
 \*AIR FORCE NOW, THE, NO. 13  
 AIR FORCE RESERVE - READY NOW  
 AIR FORCE ROTC COMES OF AGE  
 AIR FORCE STORY, THE -  
 EXPANDING AIR POWER, JUNE  
 1943  
 AIR FORCE STORY, THE - THE AIR  
 FORCE ACADEMY (VOL 2, CHAP 7)  
 AIR RESERVE FORCES, THE  
 AIR UNIVERSITY, THE  
 AIRCRAFT FAMILIARIZATION - T2J-1  
 BUCKEYE, AIRCRAFT SYSTEMS  
 AIRCRAFT FAMILIARIZATION - T2J-1  
 BUCKEYE, CARRIER PROCEDURES  
 AIRCRAFT FAMILIARIZATION - T2J-1  
 BUCKEYE, EMERGENCY  
 PROCEDURES  
 AIRCRAFT FAMILIARIZATION - T2J-1  
 BUCKEYE, FIELD CARRIER  
 LANDING PROCEDURES  
 AIRCRAFT FAMILIARIZATION - T2J-1  
 BUCKEYE, OPERATING  
 PROCEDURES  
 AIRCRAFT FIRE AND RESCUE  
 PROCEDURES  
 AIRCRAFT OBSERVER'S PLACE IN  
 THE AIR FORCE, THE  
 ALL IT TAKES IS ONCE  
 ANOTHER DAY OF WAR - THE USAF  
 IN VIETNAM  
 ARCTIC AIRLIFT  
 BAILING OUT  
 BEneath NAVY WINGS  
 BUT HOW DOES IT FLY  
 CADET HONOR CODE, THE  
 CADET WINGS IN CIVIL AIR PATROL  
 CELESTIAL GUIDANCE FOR FIGHTER  
 PILOTS  
 DECISION FOR LEADERSHIP  
 DOPPLER NAVIGATION SYSTEM AN/  
 ASN-64 OPERATION  
 \*EAGLE EYED PILOT  
 FIXED WING PRIMARY FLIGHT  
 TRAINING, PT 7, DIRECTIONAL  
 CONTROL

USFAA	FLIGHT THROUGH INSTRUMENTS - BASIC INSTRUMENT FLYING	USN
USFAA	FLIGHT TRAINING - BEFORE YOU FLY	USN
USFAA	FLIGHT TRAINING - CROSSWIND APPROACHES, LANDINGS AND TAKE-OFFS	USN
USIA	FLIGHT TRAINING - EMERGENCIES	USN
USAF	FLIGHT TRAINING - FUNDAMENTALS OF FORMATION FLYING, THREE PLANE AND FOUR PLANE	USN
USAF	FLIGHT TRAINING - SMALL FIELDS	USN
USAF	FLIGHT TRAINING - TAKE-OFFS, APPROACHES, AND LANDINGS ROLL	USN
USAF	FLIGHT TRAINING - THE BARREL ROLL	USN
USAF	FLIGHT TRAINING - THE WINGOVER ROLL	USN
USAF	FLIGHT TRAINING - WINGOVERS AND CHANDELLES	USN
USAF	FLYING CLUBS	USFAA
USFAA	FLYING IN A PRESSURE CABIN GROUND HANDLING OF AIRCRAFT IN COLD WEATHER - TAXIING, TOWING, AND SECURING	USN
USAF	*HAZARDS OF TIRE HYDROPLANING TO AIRCRAFT OPERATION	USNASA
USAF	HELICOPTER ORIENTATION - OPERATION OF THE SINGLE MAIN ROTOR HELICOPTER	USN
USAF	HIGH ALTITUDE, HIGH SPEED, FLIGHT PROBLEMS - PHYSIOLOGICAL EFFECTS	USN
USAF	INSTRUMENT FLIGHT CONTROL - DIAPHRAGM INSTRUMENTS	USN
USAF	INSTRUMENT FLIGHT CONTROL - GYROSCOPE INSTRUMENTS, PT II	USN
USAF	INSTRUMENT FLIGHT CONTROL - THE DIRECT INDICATING MAGNETIC COMPASS	USN
USAF	INSTRUMENT FLYING TECHNIQUES - APPROACH PROCEDURES	USAF
USN	INSTRUMENT FLYING TECHNIQUES - BASIC INSTRUMENTS	USAF
USN	INSTRUMENT FLYING TECHNIQUES - TAKE-OFF AND UNUSUAL ALTITUDES	USAF
USN	INSTRUMENT LANDING SYSTEM, PT 1, THE LOCALIZER	USFAA
USN	JETS ABOARD - OPERATION OF JET AIRCRAFT ABOARD CARRIERS	USN
USN	*LOOP, THE LOW LEVEL AIR NAVIGATION	USN
USN	MAN IN FLIGHT	USAF
USAF	*MEDICAL FACTS FOR PILOTS	USFAA
USAF	*NAVAL FLIGHT OFFICER - CALLING THE SIGNALS, THE	USN
USAF	*OXYGEN - IN-FLIGHT REQUIREMENTS	USAF
USFAA	PATH TO WINGS, A - THE AIR FORCE ROTC FLIGHT INSTRUCTION PROGRAM	USAF
USAF	PRIMARY PILOT NAVIGATION	USAF
USN	RX FOR FLIGHT	USFAA
USN	SELF - THE MOBILE AIRFIELD	USN
USAF	SHORT FIELD PROCEDURE L-19 - BIRD DOG, PT 2, BARRIER	USA
USAF	LANDING AND BARRIER TAKEOFF	USAF
USAF	SONIC BOOM - THUNDER FROM THE BLUE SKIES	USAF
USAF	VISION IN MILITARY AVIATION - ILLUSIONS	USN
USA	WAKE TURBULENCE (REV)	USFAA
<b>FLYING EXHIBITIONS AND COMPETITIONS</b>		
USFAA	*COMBAT RECOGNITION	USAF

\* INDICATES NEW ENTRY

**AVIATION**  
**FLYING EXHIBITIONS AND COMPETITIONS - (Continued)**

		<b>HISTORY</b>	
CROSSOVER	USAF	*AIR FORCE NOW, THE, NO. 06	USAF
EXECUTIVE CHECK	USAF	*AIR FORCE NOW, THE, NO. 17	USAF
INTERNATIONAL SKIES	USFAA	*AIR FORCE NOW, THE,	USAF
SUPersonic THUNDERBIRDS	USAF	SCRAPBOOK, NO. 9	USAF
<b>HELICOPTER</b>		AIR FORCE ROTC COMES OF AGE	USAF
ADVANCED HELICOPTER FLIGHT PRINCIPLES, PT 1	USA	AIR FORCE STORY, THE - A NEW AIR FORCE, 1945-1947	USAF
ADVANCED HELICOPTER FLIGHT PRINCIPLES, PT 2	USA	AIR FORCE STORY, THE - AFTER THE WAR, 1918-19	USAF
BASIC HELICOPTER FLIGHT PRINCIPLES	USA	AIR FORCE STORY, THE - AIR POWER ADVANCES, 1935-1937	USAF
HELICOPTER - ARCTIC OPERATIONS	USAF	AIR FORCE STORY, THE - AIR WAR AGAINST JAPAN, 1944-1945	USAF
HELICOPTER - EMERGENCY PROCEDURES, PT 1, BLADE STALLS	USAF	AIR FORCE STORY, THE - BETWEEN WARS, 1930-1935	USAF
HELICOPTER - EMERGENCY PROCEDURES, PT 2, EMERGENCY PROCEDURES IN THE H-13	USAF	AIR FORCE STORY, THE - COLD WAR, 1948-1950	USAF
HELICOPTER - EMERGENCY PROCEDURES, PT 3, EMERGENCY PROCEDURES IN THE H-19	USAF	AIR FORCE STORY, THE - D-DAY, JUNE 1944	USAF
HELICOPTER - MOUNTAIN OPERATIONS	USAF	AIR FORCE STORY, THE - ENTERING THE ERA OF MISSILES (VOL 2, CHAP 6)	USAF
HELICOPTER - VIBRATIONS AND RESONANCE, PT 1, VIBRATIONS IN THE H-13	USAF	AIR FORCE STORY, THE - EXPANDING AIR POWER, JUNE 1943	USAF
HELICOPTER - VIBRATIONS AND RESONANCE, PT 2, VIBRATIONS IN THE H-19	USAF	AIR FORCE STORY, THE - GLOBAL OPERATIONS, 194	USAF
HELICOPTER - VIBRATIONS AND RESONANCE, PT 3, VIBRATIONS IN THE H-21	USAF	AIR FORCE STORY, THE - HUMAN FACTORS IN SPACE FLIGHT, 1950-1960 (VOL 2, CHAP 8)	USAF
HELICOPTER - VIBRATIONS AND RESONANCE, PT 4, GROUND RESONANCE	USAF	AIR FORCE STORY, THE - MAXIMUM EFFORT, OCTOBER 1943	USAF
HELICOPTER MAINTENANCE, PT 3, INTRODUCTION TO POWER TRAINS	USA	AIR FORCE STORY, THE - MEETING THE RED CHALLENGE (VOL 2, CHAP 2)	USAF
HELICOPTER ORIENTATION - INTRODUCTION TO HELICOPTERS	USA	AIR FORCE STORY, THE - NORTH AFRICA, NOVEMBER 1942-MAY 1943	USAF
HELICOPTER ORIENTATION - INTRODUCTION TO ROTARY WING FLIGHT	USN	AIR FORCE STORY, THE - ON TO THE YALU, JUNE 1950 (VOL 2, CHAP 3)	USAF
HELICOPTER ORIENTATION - OPERATION OF THE SINGLE MAIN ROTOR HELICOPTER	USN	AIR FORCE STORY, THE - OUR WORLD-WIDE AIR FORCE, 1953-1959 (VOL 2, CHAP 5)	USAF
HELICOPTER ORIENTATION - THE BASIC ANATOMY OF THE HELICOPTER	USN	AIR FORCE STORY, THE - PLOESTI, MARCH-AUGUST 1944	USAF
HELICOPTER SPECIAL DELIVERY	USA	AIR FORCE STORY, THE - PRELUDE TO INVASION, JANUARY-JUNE 1944	USAF
LANDBASED HELICOPTER OPERATIONS - FUNCTIONS	USN	AIR FORCE STORY, THE - PRELUDE TO WAR, 1937-1939	USAF
LANDBASED HELICOPTER OPERATIONS - PRECAUTIONS	USN	AIR FORCE STORY, THE - RETREAT AND ADVANCE, JUNE 1944-MARCH 1945	USAF
MAINTAINING THE HUP SERVICE TYPE HELICOPTER - ROTOR SYSTEMS AND RELATED CONTROLS	USN	AIR FORCE STORY, THE - ROAD TO ROME, SEPTEMBER 1943-JUNE 1944	USAF
SHIPBOARD HELICOPTER OPERATIONS - FUNCTIONS	USN	AIR FORCE STORY, THE - SCHWEINFURT AND REGENSBURG, AUGUST 1943	USAF
SHIPBOARD HELICOPTER OPERATIONS - LANDING AND TAKE-OFFS	USN	AIR FORCE STORY, THE - STRUGGLE FOR RECOGNITION	USAF
<b>HELICOPTERS</b>		AIR FORCE STORY, THE - SUPERFORT, AUGUST 1943-JUNE 1944	USAF
*AIR FORCE NOW, THE, NO. 06	USAF	AIR FORCE STORY, THE - THE AAF FIGHTS BACK, APRIL-JULY 1942	USAF
*HELICOPTER MANAGEMENT	USDA	AIR FORCE STORY, THE - THE AIR WAR STARTS, 1939-1941	USAF
*HELICOPTER MANAGEMENT (SPANISH)	USDA	AIR FORCE STORY, THE - THE BEGINNING	USAF
*HELICOPTERS IN FIRE CONTROL	USDA	AIR FORCE STORY, THE - THE DRAWING OF THE BATTLE LINES, DECEMBER 1941 TO APRIL 1942	USAF
SMALL BOAT NAVY, THE	USN		
THEORY OF HELICOPTER FLIGHT, THE	USN		

\* INDICATES NEW ENTRY

AIR FORCE STORY, THE - THE FINAL PHASE (VOL 2, CHAP 4)	USAF	INSTALLING AND ALIGNING TAIL SURFACES	USOE
AIR FORCE STORY, THE - THE TIDE TURNS, JUNE-DECEMBER 1942	USAF	INSTALLING LANDING GEAR	USOE
AIR FORCE STORY, THE - TWO YEARS OF WAR, SEPTEMBER-DECEMBER 1943	USAF	INSTRUMENT LANDING SYSTEM, PT 1, THE LOCALIZER	USFAA
AIR FORCE STORY, THE - VICTORY IN EUROPE, JUNE 1944-MAY 1945	USAF	INSTRUMENT LANDING SYSTEM, PT 2, - THE GLIDE SLOPE	USFAA
AIR FORCE TACTICAL FIREPOWER	USAF	INTRODUCTION TO AIRCRAFT ENGINE INSTRUMENTS	USA
AIR POWER IN ACTION - THE U.S. AIR FORCE IN VIETNAM	USAF	INTRODUCTION TO AIRCRAFT FLIGHT INSTRUMENTS	USA
ANATOMY OF A TRIUMPH	USGSA	OTHER PASSENGER, THE OVERHAULING CAMSHAFT ASSEMBLY AND CRANKCASE SECTION	USFAA
<b>*BOLD DECISIONS</b>	USAF	OVERHAULING CRANKSHAFT ASSEMBLY	USOE
C-5 GALAXY - WORLD'S LARGEST AIRCRAFT	USAF	OVERHAULING THE CARBURETOR	USOE
EXECUTIVE CHECK	USAF	PATCHING PLYWOOD	USOE
FIGHT FOR THE SKY, THE FIGHTING LADY SPEAKS, A	USAF	PERIODIC INSPECTION - AIRPLANE	USOE
FLIGHT TO THE SOUTH POLE	USN	PERIODIC INSPECTION - ENGINE	USOE
HELICOPTER ORIENTATION - INTRODUCTION TO HELICOPTERS	USN	PLANE SENSE	USFAA
HELICOPTER ORIENTATION - INTRODUCTION TO ROTARY WING FLIGHT	USA	PREFLIGHT INSPECTION - AIRPLANE	USOE
<b>*HOOK DOWN, WHEELS DOWN, PTS 1 AND 2</b>	USN	PREFLIGHT INSPECTION - ENGINE	USOE
KITES TO CAPSULES	USN	REASSEMBLING THE ENGINE	USOE
L T A HISTORY - BALLOONS	USFAA	REMOVING AND INSPECTING CYLINDERS	USOE
<b>*MAN'S REACH SHOULD EXCEED HIS GRASP, A</b>	USN	REPAIRING A WOODEN RIB	USOE
MEDAL OF HONOR - HEADING HOME	USNASA	REPAIRING AND RELINING MECHANICAL BRAKES	USOE
MEDAL OF HONOR - PACIFIC ACE	USAF	SERVICING A PROPELLER	USOE
MEN WITH WINGS	USAF	SERVICING AN AIRPLANE	USOE
OF WINGS AND WOMEN	USDOD	SERVICING AND TIMING MAGNETOS	USOE
PROGRESS IN ALL TRAFFIC CONTROL	USAF	SERVICING SPARK PLUGS AND IGNITION WIRING	USOE
<b>*S A C COMMAND POST, THE</b>	USAF	SPlicing A WOODEN SPAR	USOE
<b>*STRATEGIC ATTACK</b>	USAF	TROUBLE SHOOTING PROBLEMS - FUEL INDUCTION	USOE
<b>*THUNDERBOLT TOWARD THE UNEXPLORED</b>	USAF	TROUBLE SHOOTING PROBLEMS - IGNITION	USOE
<b>INSPECTION AND MAINTENANCE</b>	USAF	TROUBLE SHOOTING PROBLEMS - MECHANICAL AND LUBRICATION	USOE
ADJUSTMENTS AFTER CHECK	USOE	TURBOPROP/TURBOSHAFT ENGINES - INTRODUCTION	USN
FLIGHT	USN	<b>NAVIGATION</b>	
AIR OPERATIONS IN THE ANTARCTIC	USN	AERIAL NAVIGATION - MAP READING	USAF
AIRCRAFT ENGINE R3350-30W - PRINCIPLES OF OPERATION	USN	<b>*AREA NAVIGATION</b>	USFAA
AIRCRAFT ENGINES - ELEMENTS OF ELECTRICITY AS APPLIED TO IGNITION SYSTEMS	USAF	<b>*B-58 BOMBING/NAVIGATION SYSTEM, PT 2, COMPUTERS</b>	USAF
AIRCRAFT FIRE AND RESCUE PROCEDURES	USAF	CELESTIAL GUIDANCE FOR FIGHTER PILOTS	USAF
AIRCRAFT TIRES AND TUBES - SHOP INSPECTION, STORAGE, AND DISPOSITION	USAF	DEAD RECKONING - AIR DOPPLER NAVIGATION SYSTEM AN/ ASN-64 OPERATION	USN
AIRPLANE MECHANIC, THE	USOE	<b>*FLYING THE WEATHER MAP - THE EQUATORIAL FRONT</b>	USA
ATTACHING AND ALIGNING WINGS	USOE	FROM THE GROUND UP	USFAA
ATTACHING AND ALIGNING WINGS	USOE	GRID NAVIGATION - APPLICATION OF THEORY	USAF
BUILDING A BOX BEAM SPAR	USOE	GRID NAVIGATION - INTRODUCTION AND THEORY	USAF
BUILDING A WOODEN RIB	USOE	GROUND CONTROLLED APPROACH EQUIPMENT - SITING	USN
CONNECTING AND ADJUSTING CONTROLS	USOE	GROUND CONTROLLED APPROACH OF AIRCRAFT - OPERATIONAL PROCEDURE	USN
DISASSEMBLING THE ENGINE	USOE	INSPECTORS, THE	USFAA
ENGINE CHANGE - INSTALLATION	USOE	INSTRUMENT LANDING SYSTEM, PT 1, THE LOCALIZER	USFAA
ENGINE CHANGE - REMOVAL	USOE	INSTRUMENT LANDING SYSTEM, PT 2, - THE GLIDE SLOPE	USFAA
FLYING IN A PRESSURE CABIN	USOE	INTEGRATED LANDING AIDS, PT 1	USN
GROUND SAFETY ON THE FLIGHT LINE, PT 2	USN	INTEGRATED LANDING AIDS, PT 2	USN
HARDNESS TESTING - ROCKWELL	USAF	LOW LEVEL AIR NAVIGATION	USN
IGNITION AND SPARK PLUG	USOE	NEW LOOK AT FOG, A	USFAA
INSPECTING AND RECONDITIONING	USAF		
PISTON ASSEMBLY	USOE		
INSPECTING AND RECONDITIONING	USOE		
VALVE ASSEMBLY	USOE		
INSPECTION OF THREADS	USOE		

\* INDICATES NEW ENTRY

**AVIATION  
NAVIGATION - (Continued)**

PRIMARY PILOT NAVIGATION	USAF	SWAGING CABLE TERMINALS	USOE
STABLE AND SAFE	USFAA	TUBE BENDING BY HAND	USOE
THIS IS VORTAC	USFAA	USING A PORTABLE SPRAY GUN	USOE
VISUAL FLIGHT RULES	USN	WING ASSEMBLY - THE BOW TIP	USOE
WIND AND THE NAVIGATOR - IN-FLIGHT ANALYSIS	USAF	WING ASSEMBLY - THE INBOARD PANEL	USOE
WIND AND THE NAVIGATOR - JET STREAMS	USAF	WING ASSEMBLY - THE NOSE SECTION	USOE
WIND AND THE NAVIGATOR - PRE-FLIGHT PLANNING	USAF	<b>RESEARCH AND DEVELOPMENT</b>	
WIND AND THE NAVIGATOR - WIND THEORY	USAF	*AEROELASTIC PHENOMENA AND RELATED RESEARCH	USNASA
<b>REPAIR</b>	USAF	AEROSPACE TECHNOLOGY	USAF
AIRPLANE STRUCTURES - CONTROL SURFACES	USAF	AIR FORCE CAMERAS IN ACTION	USAF
ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 1, PRINCIPLES OF OPERATION	USA	AIR FORCE LOGISTICS COMMAND LOG 1966	USAF
ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 2, CONTROLS AND INSTRUMENTATION	USA	AIR FORCE ON CANVAS, THE AIR FORCE STORY, THE - ENTERING THE ERA OF MISSILES (VOL 2, CHAP 6)	USAF
ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 3, CONSTRUCTION AND OPERATION OF THE T-5	USA	AIR FORCE STORY, THE - HUMAN FACTORS IN SPACE FLIGHT, 1950-1960 (VOL 2, CHAP 8)	USAF
ASSEMBLING IN A JIG - DRILLING AND RIVETING	USOE	AIR FORCE STORY, THE - OUR WORLD-WIDE AIR FORCE, 1953-1959 (VOL 2, CHAP 5)	USAF
ASSEMBLING IN A JIG - FITTING AND LINING UP	USOE	AIR FORCE STORY, THE - THE AIR FORCE AND THE ATOM BOMB (VOL 2, CHAP 1)	USAF
ATTACHING AND ALIGNING WINGS	FS	AIRCRAFT CALLED SEVENTY, THE ALL WEATHER TESTING OF AERONAUTICAL SYSTEMS	USAF
ATTACHING AND ALIGNING WINGS	USOE	ANATOMY OF A TRIUMPH	USGSA
BLANKING SHEET METAL ON THE SQUARING SHEAR	USOE	*BOLD DECISIONS	USAF
BLANKING SHEET METAL WITH HAND SNIPS	USOE	BREAKTHROUGH - SEARCH FOR KNOWLEDGE	USAF
BLANKING WITH ROTARY AND HIGH SPEED SHEARS	USOE	BUT HOW DOES IT FLY	USAF
BLANKING WITH THE SWING ARM ROUTER	USOE	DESIGN FOR ENVIRONMENT	USAF
BLIND RIVETING	USOE	FLIGHT TO TOMORROW	USNASA
CONNECTING AND ADJUSTING CONTROLS	USOE	FLIGHT WITHOUT WINGS	USNASA
CROSSWIND TECHNIQUE FOR A CONVENTIONAL GEARED FIXED WING AIRCRAFT	USA	*GENERAL AVIATION - FACT OR FICTION	USFAA
DIMPING AND COUNTERSINKING	USOE	INTERCEPT	USAF
DRILLING WITH PORTABLE DRILL MOTORS	USOE	INTRODUCTION TO ARMY AIR DEFENSE SYSTEMS	USA
DRIVING AND BUCKING RIVETS	USOE	KNOW YOUR CLOUDS	USA
FILING TEMPLATE METAL	USOE	L T A HISTORY - BALLOONS	USN
FOREIGN OBJECTS DAMAGE TO ARMY AIRCRAFT	USA	MAN IN FLIGHT	USAF
FORMING ON A HAND OPERATED BRAKE	USOE	*MAN'S REACH SHOULD EXCEED HIS GRASP, A	USNASA
FORMING ON ROTARY MACHINES	USOE	MILITARY SATELLITE COMMUNICATIONS	USAF
FORMING ON THE STRETCHING MACHINE	USOE	OPERATION OF JET AIRCRAFT ENGINES	USN
FORMING WITH A DROP HAMMER	USOE	*OXYGEN - IN-FLIGHT REQUIREMENTS	USAF
FORMING WITH RUBBER ON THE HYDRAULIC PRESS	USOE	PLANE IS BORN, A	USFAA
INSTALLING LANDING GEAR	USOE	PLANES IN THE SKY, SHIPS IN THE SEA	USN
LAYING OUT AND FORMING PLYWOOD	USOE	PROJECT SLUSH	USFAA
MAKING A FIVE TUCK SPLICE	USOE	RENDEZVOUS 90 DEGREES FAHRENHEIT SOUTH	USAF
MAKING A WRAPPED AND SOLDERED SPLICE	USOE	RESEARCH PROJECT X-15	USNASA
MAKING SHEET METAL REPAIRS	USOE	RETURNS FROM SPACE	USNASA
PATCHING FABRIC	USOE	*S A C COMMAND POST, THE SLOW-SPEED FLIGHT	USAF
PATCHING PLYWOOD	USOE	CHARACTERISTICS OF SWEPTWING AIRCRAFT	USN
REMOVING DEFECTIVE RIVETS	USOE	SONIC BOOM - THUNDER FROM THE BLUE SKIES	USAF
REPAIRING AIRCRAFT TIRES	USOE	SPACE AGE RAILROAD	USAF
REPAIRING STRUCTURAL TUBING	USOE	*SPACE IN THE 70'S - AERONAUTICS	USNASA
SQUEEZE RIVETING - STATIONARY AND PORTABLE RIVETERS	USOE	*SPACE IN THE 70'S - THE KNOWLEDGE BANK	USNASA
	USOE	*SPACE IN THE 70'S - SERIES	USNASA

\* INDICATES NEW ENTRY

TODAY FOR TOMORROW TOWARD THE UNEXPLORED TRANSPORT CRASH SAFETY TESTS, PT 1	USFAA USAF	*CICADA, THE *ERADICATING THE KHAPRA BEETLE *PAMELA'S TREE *UNWANTED ALIENS	USDA USDA USDA USDA
TRANSPORT CRASH SAFETY TESTS, PT 2	USFAA USFAA	WOOD PRESERVATION - CONTROL OF WOOD DESTROYING ORGANISMS	USN
*VISUAL GLIDE SLOPE INDICATOR	USFAA USAF	WOOD PRESERVATION - INSPECTION FOR WOOD DESTROYING ORGANISMS	USN
<b>SEARCH AND RESCUE</b>		<b>HEREDITY</b>	
AIR RESCUE SERVICE, THE AIRCRAFT CRASH FIRE INCIDENT SIMULATION TESTS OF THE LIGHT WATER TWINNED AGENT SYSTEM	USN USAF	*NATURE OF HUMAN COLOR CHANGE, THE - GENETIC, HORMONAL, NEOPLASTIC	USNMAC
DEEP SEA SURVIVAL	USAF		
DITCHING TECHNIQUES FOR TRANSPORT AIRCRAFT - COMMUNICATIONS, SEA EVALUATION, ...	USAF USAF	<b>LABORATORY</b>	
ESCAPE AND SURVIVAL SYSTEM	USA USAF	*BREAKTHROUGH *HOG CHOLERA - ITS DIAGNOSIS *RADIATION EFFECTS ON FARM ANIMALS	USDA USDA USDA
FIXED WING PRIMARY FLIGHT TRAINING, PT 7, DIRECTIONAL CONTROL	USAF	*RANGELAND RESEARCH AT MANITOU	USDA
KNOW YOUR AIR RESCUE SERVICE		*RANGELAND RESEARCH AT MANITOU (FRENCH)	USDA
MOUNTAIN AND DESERT SURVIVAL - DESERT SURVIVAL			
<b>BIOLOGY</b>		<b>MARINE</b>	
<b>ANATOMY</b>		TALKING WITH DOLPHINS VENOMOUS ANIMALS OF THE SEA	USN USN
*INTRACELLULAR TRANSPORT APPARATUS OF PHLOEM FIBERS	USDA		
<b>BIOCHEMISTRY</b>		<b>MICROBIOLOGY</b>	
MOLECULAR BIOLOGY - AN INTRODUCTION	USAEC	*FUNGI SNARE AND DESTROY NEMATODES (REV ED)	USDA
RX - INNOVATION	USNMAC		
RX - INNOVATION (FRENCH)	USNMAC		
RX - INNOVATION (SPANISH)	USNMAC		
<b>CYTOTOLOGY</b>		<b>NATURAL RESOURCES</b>	
*BOVINE CONTAGIOUS PLEUROPNEUMONIA	USDA	*ADVENTURES OF JUNIOR RAINDROP	USDA USEPA USBOR
<b>ECOLOGY</b>		*AIR POLLUTION AND PLANT LIFE AMERICAN ISLAND, THE	
*AIR POLLUTION AND PLANT LIFE BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (SPANISH)	USEPA	*CAUSES AND PREVENTION OF MINE FIRES AND EXPLOSIONS	USBM
BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (FRENCH)		*CERTAIN DISTANCE, A	USDA
*CONSERVATION VISTAS	USPHS	*COLLECTION OF PARTICULATE MATTER AND THE CONTROL OF AIR POLLUTION	USEPA
*ENDLESS CHAIN		*COLOR FOR SAFETY	USBM
*ETERNAL FOREST, THE SO LITTLE TIME	USNMAC	COLUMBIA, THE - RIVER OF PLANNED DESTINY	USAE
TOMORROW WILL NOT WAIT - AIR, WATER AND LAND CONSERVATION	USDA	*CONSERVATION VISTAS	USDA
*TREE IS BORN, A WARM COAT, THE	USAEC	*DAYS OF A TREE	USDA
*WEB OF LIFE - ENDLESS CHAIN	USDA	*DIRECT SEEDING OF SOUTHERN PINE	USDA
*WOOD CHIP MULCH FOR EROSION CONTROL	USAEC	*EMERGENCY INVESTIGATION OF COAL WASTE EMBANKMENTS	USBM
<b>EMBRYOLOGY</b>		*ENDLESS CHAIN	USAEC
CHICK EMBRYO TECHNIQUES	USNMAC	*ENVIRONMENTAL SCHOOL, THE	USDA
*IN THE BEGINNING	USDA	*ETERNAL FOREST, THE EXTRA DIVIDENDS	USDA
TECHNIQUES OF LABORATORY DIAGNOSIS OF INFLUENZA	USNMAC	*EXTRA FOREST DOLLARS	USDA
<b>ENTOMOLOGY</b>		*FAMILY FOREST, THE FIFTH FUEL, THE	USDA
*BLOCK THAT TERMITE	USDA	*FIGHTING COAL MINE FIRES	USAEC
*CICADA	USDA	*FIRE FIGHTING IN THE MINERAL INDUSTRY	USBM
* INDICATES NEW ENTRY		*FIRE IN THE FOREST	USDA
		*FOREST IN A MUSEUM	USDA
		*FOREST, THE	USDA
		*GREATEST GOOD, THE	USDA
		*HERITAGE OF THE PLAINS	USDA
		*HERITAGE RESTORED	USDA
		*INTRACELLULAR TRANSPORT APPARATUS OF PHLOEM FIBERS	USDA
		*ISLANDS OF GREEN	USDA
		*LAND OF THE SKY	USDA

BIOLOGY

## **NATURAL RESOURCES - (Continued)**

*LONGER LIFE FOR WOOD	USDA	COMMUNITY FLY CONTROL OPERATION	USPHS
*MAN AGAINST FIRE	USDA	COMMUNITY FLY CONTROL	USPHS
*MAN AGAINST FIRE (SPANISH)	USDA	OPERATION (SPANISH)	
*MAN AND A RIVER, A	USEPA	DOLPHINS THAT JOINED THE NAVY,	
*MOUNTAIN WATER	USDA	THE	USN
*NEW ALASKA, THE	USDA	ENEMY IN YOUR HOME	USNMAC
*NEW GUIDELINES FOR THE WELL- LANDSCAPED HOME	USDA	*ENVIRONMENTAL SCHOOL, THE FIELD RECOGNITION OF DOMESTIC RAT SIGNS	USNMAC
*OUR LAND - ITS MANY FACES	USDA	FIELD RECOGNITION OF MOSQUITO IARVAE	USNMAC
*OUR MAGIC LAND	USSCS	*GENERA OF NORTH AMERICAN TICKS	FS USNMAC
*PAMELA'S TREE	USDA	INSECTS AS CARRIERS OF DISEASE	USOIAA
*PATTERNS OF THE WILD	USDA	*INSECTS AS CARRIERS OF DISEASE (FRENCH)	USOIAA
*PIECE OF WOOD, A	USDA	*INSECTS AS CARRIERS OF DISEASE (SPANISH)	USOIAA
*PLANTING ISN'T ENOUGH	USDA	LET'S FINISH THE JOB	USNMAC
*PRESCRIBED BURNING IN THE SOUTH	USDA	LIFE HISTORY OF THE ROCKY MOUNTAIN WOOD TICK	USNMAC
*PRESIDENT PLANTS A TREE, THE PROJECT GASBUGGY--THE RESOURCEFUL ATOM	USAEC	MALARIA CONTROL ON IMPounded WATER	USNMAC
*PROTECTION AGAINST RADIOACTIVITY IN URANIUM MINES	USBM	MOSQUITO PREVENTION IN IRRIGATED AREAS	USNMAC
*PUERTO RICO - MORE OR LESS	USDA	MOSQUITO STAGES OF PLASMODIUM FALCIPARUM	USPHS
*RADIATION EFFECTS ON FARM ANIMALS	USDA	MOSQUITO SURVEY TECHNIQUES	USPHS
*RAINBOW VALLEY - THE STORY OF A FOREST RANGER	USDA	NORWAY RAT, HABITS AND CHARACTERISTICS, THE	USPHS
*RAINDROPS AND SOIL EROSION	USDA	ON THE ICE	USNSF
*RANGELAND RESEARCH AT MANITOU	USDA	ORGANIZED MOSQUITO CONTROL	USNMAC
*RANGELAND RESEARCH AT MANITOU (FRENCH)	USDA	*PATTERNS OF THE WILD PLAGUE CONTROL	USDA
*REALM OF THE WILD	USDA	*RECOGNITION OF DOMESTIC RODENT SIGNS	FS USNMAC
*RIVER RUN	USDA	RHESUS MONKEYS OF SANTIAGO ISLAND, THE - PUERTO RICO	USNMAC
*SMOKEY AND HIS FRIENDS SO LITTLE TIME	USDA	ROOF RAT, HABITS AND CHARACTERISTICS, THE	USNMAC
*SOIL AND WATER CONSERVATION TAKE SAFETY WITH YOU TOMORROW WILL NOT WAIT - AIR, WATER AND LAND CONSERVATION	USBSFW	*ROUNDUP	USDA
*TOPSOIL	USDA	*ROUNDUP (SPANISH)	USDA
*TOTEM POLES TOWBOATS A'COMIN'	USDA	RURAL RAT CONTROL	USNMAC
*TREE GROWS FOR CHRISTMAS, A	USAE	RURAL RAT CONTROL (SPANISH)	USNMAC
*USE OF FIRE IN SLASH DISPOSAL	USDA	TALKING WITH DOLPHINS	USN
*VIEWPOINT	USDA	*THINK LIKE A MOUNTAIN	USDA
*WATER	USDA	TICKS AND TICK-BORNE DISEASE	USNMAC
*WATER FOR FARM AND CITY	USDA	TICKS AND TICK-BORNE DISEASES (SPANISH)	USNMAC
*WATER FOR THE WEST	USDA	URBAN RAT SURVEYS	USNMAC
*WATER ON THE FIRE	USDA	USE OF ANTICOAGULANTS IN	USNMAC
*WATERS FROM THE MOUNTAIN	USDA	RODENT CONTROL	USAEC
*WATERS OF COWEETA	USDA	WARM COAT, THE	
*WATERSHED WILDFIRE	USDA		
*WE SHARE THIS LAND	USDA		
*WILDERNESS ENCAMPMENT	USDA		
*WILDERNESS TRAIL	USDA		
*WILDLIFE AND THE HUMAN TOUCH	USDA		
*WILDLIFE AND TIMBER	USDA		
WILDLIFE ON THE MAINSTEM	USAE		
*WOOD CHIP MULCH FOR EROSION CONTROL	USDA		
*WOODLAND MANNERS	USDA		
*WORKING FOREST, A	USDA		
	USFHWA		

PRIMATOLOGY

- # \*JUNGLE QUEST FOR THE GREAT STONE HEADS

ZOOLOGY

- AREA POISONING (REV ED)  
BIOLOGY AND CONTROL OF  
SCHISTOSOMIASIS IN PUERTO  
RICO  
BIOLOGY OF DOMESTIC FLIES  
COLLECTION OF ADULT FLIES. T.**

## BUSINESS AND ECONOMICS

## **COMPUTER SCIENCE AND DATA PROCESSING**

USAE	*AMVER-AUTOMATED MERCHANT VESSEL REPORTS	USCG
USFHWA	*AUTOMATION IN CLINICAL CHEMISTRY, PT 1, HOW IT WORKS	USN
USDA	*AUTOMATION IN CLINICAL CHEMISTRY, PT 2, ASSEMBLY AND OPERATION OF EQUIPMENT	USN
USDA	*B-58 BOMBING/NAVIGATION SYSTEM, PT 2, COMPUTERS	USAF
USCIAA	COMMAND AND CONTROL	USAF
	*COMPUTER COLOR GENERATIONS	USAEC
	COMPUTER FLUID DYNAMICS	USAEC
USNMAC	COMPUTER SYSTEMS IN PERSONNEL ACCOUNTING	USA
	CONTROLLER-COMPUTER	USFAA
USPHS	PARTNERSHIP, THE	
USNMAC	DIFFRACTOMETER CONTROL	
USNMAC		

\* INDICATES NEW ENTRY

**BUSINESS AND ECONOMICS**  
**COMPUTER SCIENCE AND DATA PROCESSING - (Continued)**

SYSTEM - A SYSTEM FOR EASY  
 MAN-MACHINE COMMUNICATIONS  
 DIGITAL COMPUTER TECHNIQUE -  
 COMPUTER LOGIC  
 DIGITAL COMPUTER TECHNIQUE -  
 COMPUTER LOGIC SYMBOLLOGY  
 DIGITAL COMPUTER TECHNIQUE -  
 COMPUTER UNITS  
 DIGITAL COMPUTER TECHNIQUE -  
 INTRODUCTION  
 DIGITAL COMPUTER TECHNIQUES -  
 LOGIC ELEMENT CIRCUITS  
 DIGITAL COMPUTER TECHNIQUES -  
 PROGRAMMING  
 ENGINEERING DATA MANAGEMENT  
 FIRE FIGHTING IN THE NUCLEAR  
 AGE  
 INTRODUCTION TO ANALOG  
 COMPUTERS  
 INTRODUCTION TO AUTOMATIC  
 DATA PROCESSING  
 INTRODUCTION TO NAS (NATIONAL  
 AIRSPACE SYSTEM) EN ROUTE  
 STAGE A  
 LICENSE PLATE TRAFFIC SURVEY  
 LINK  
 \*MEANWHILE BACK ON EARTH  
 MOBIDIC JOINS THE FIELD ARMY  
 MODERN MANUFACTURING -  
 COMMAND PERFORMANCE  
 NOTHING FOR GRANTED  
 ORIGIN AND HISTORY OF PROGRAM  
 BUDGETING, THE  
 POSTAL SOURCE DATA SYSTEM, THE  
 PROGRAMMED INSTRUCTION - THE  
 DEVELOPMENT PROCESS  
 PROGRAMMED INSTRUCTION - THE  
 DEVELOPMENT PROCESS  
 (SPANISH)  
 PROGRAMMED INSTRUCTION - THE  
 TEACHER'S ROLE-A SERIES  
 PROGRAMMED INSTRUCTION - THE  
 TEACHER'S ROLE-A SERIES  
 (SPANISH)  
 PROGRAMMED LEARNING IN THE  
 UNITED STATES AIR FORCE  
 TEACHING MACHINES AND  
 PROGRAMMED LEARNING  
 THIRD GRADE SCIENCE  
 THIRD GRADE SCIENCE (SPANISH)

**CONTRACTS**

CONTRACT NEGOTIATION  
 TECHNIQUES  
 DAILY ENEMY, THE  
 DEFENSE PROCUREMENT -  
 COMPETITIVE NEGOTIATION  
 DEFENSE PROCUREMENT -  
 CONTRACT ADMINISTRATION  
 DEFENSE PROCUREMENT - FORMAL  
 ADVERTISING  
 LET THE BUYER PREPARE  
 ONE BITE AT THE APPLE  
 PROCUREMENT SOURCE SELECTION  
 SECURITY MAN

**ECONOMY AND CONSERVATION**

AFLC ZERO DEFECTS STORY  
 \*BIG GAMBLE, THE  
 COST REDUCTION - EVERYBODY'S  
 JOB  
 COST REDUCTION IS A MONEY  
 SPLENDID THING  
 DESIGN FOR SURVIVAL  
 \*EXTRA FOREST DOLLARS

USNBS	*HARDEST WORKING DOLLAR, THE INSIDE STORY, THE IT CAN HAPPEN TO YOU	USDL USSBA USSBA
USN	*LONGER LIFE FOR WOOD	USDA
USN	*NATIONAL GRASSLANDS	USDA
USN	*OUT OF THE WOODS	USDA
USN	*POWER AND THE LAND	USDA
USN	*PRODUCTION CREDIT DOES THE JOB	USDA
USN	VALUE ENGINEERING - THE HUNDRED MILLION DOLLAR STORY	USAF
USN	ZERO DEFECTS - RIGHT THE FIRST TIME	USAF
USAF		
USAEC	<b>EDUCATION</b>	
USAEC	ANYTHING IS POSSIBLE - WITH TRAINING	USSBA
USAEC	*JANET AND THE GENIE	USDA
USA	JUNIOR ACHIEVEMENT	USA
USFAA	*ORIENTATION AND INDOCTRINATION OF SAFE WORKMEN	USBM
USFHWA	PLANNING AND LAYING OUT WORK	USOE
USAEC	*THAT JOB INTERVIEW	USDL
USNASA		
USA		
USAF	<b>INDUSTRY</b>	
USN	*AT HOME WITH WOOD	USDA
USCSC	*COAL MINER TODAY	USBM
USPO	*CONVEYOR BELTS - BE CAREFUL	USBM
USOE	*EASIER WAYS OF LOGGING	USDA
USOE	*EASIER WAYS OF LOGGING (SPANISH)	USDA
USOE	*FIRE FIGHTING IN THE MINERAL INDUSTRY	USBM
USOE	*HAZARDS OF CHURN DRILLING	USBM
USOE	*JANET AND THE GENIE	USDA
USOE	MEN WHO FISH	USIA
USOE	*MINING NOISE HAZARDS	USBM
USOE	MUTUAL AID - THE 'US' IN INDUSTRY	USOCD
USOE	*OPERATION BREAKTHROUGH	USDHUD
USOE	*ROCK BOLTING IN ORE MINES	USBM
USAF	*ROOF BOLTING IN COAL MINES	USBM
USOE	*SAFETY PRACTICES IN LOW-COAL MINING	USBM
USOE	STEEL TOWN	USOWIO
USOE	*TREE GROWS FOR CHRISTMAS, A	USDA
USOE	*TRIESTE TO LAMPEDUSA	USECA
USDOD		
USA	<b>LABOR AND MANAGEMENT</b>	
USAF	*BETTER WAYS FOR DOING WORK - INTRODUCTION TO THE ARMY WORK SIMPLIFICATION PROGRAM	USA USAF
USA	BREAKTHROUGH TO PROGRESS	USSBA
USA	*BUSINESS PLAN, THE - FOR SMALL BUSINESSMEN	USA
USA	CASE METHOD OF INSTRUCTION, THE, PT 2	USSBA
USFSS	*COUNTING WHAT COUNTS - WORK COUNTS	USA
USFSS	*DENTAL PRACTICE MANAGEMENT DENTAL SERVICES - PRACTICE MANAGEMENT	USNMAC
USA	*EASTERN WHITE PINE ENGINEERED PERFORMANCE STANDARDS PROGRAM, THE ENGINEERING DATA MANAGEMENT	USA USAF
USDOD	*FAMILY FOREST, THE	USDA
USA	*FIRE VS FIRE	USDA
USA	*FIRE WEATHER	USDA
USA	*FOOL AND HIS MONEY, A	USN
USA	*FOREST PATTERNS - BEAUTY AND USE	USDA
USA	*FOREST SERVICE ENGINEER, THE	USDA
USDA	*GREATEST GOOD, THE	USDA

\* INDICATES NEW ENTRY

**BUSINESS AND ECONOMICS**  
**LABOR AND MANAGEMENT - (Continued)**

* HARDEST WORKING DOLLAR, THE	USDL	* COMMUNICATION CENTER	
* HEARTBEAT OF BUSINESS, THE	USSBA	PROCEDURE FOR CORPS AND	
* JOB STORY	USDL	LOWER HEADQUARTERS, PT 1.	USA
* LAND CHANGES, THE	USDA	OUTGOING ...	
* LAND OF THE SKY	USDA	COMPUTER SYSTEMS IN	
LANGUAGE OF BUSINESS, THE	USSBA	PERSONNEL ACCOUNTING	USA
MAINTAINING WORKERS' INTEREST	USOE	* CONSTRUCTION SAFETY AND	
MAINTAINING WORKERS' INTEREST	USOE	HEALTH TRAINING COURSE	SL
(SPANISH)	USAF	* COTTON WAREHOUSING	USDL
MAN OR WOMAN FOR THE JOB, THE	USN	* COTTON WAREHOUSING (SPANISH)	USDA
MANAGEMENT CONCEPTS FOR	USBM	CRANE OPERATIONS - FLOATING	USDA
DEPOT MAINTENANCE	USAF	CRANES	USN
MANAGEMENT IMPROVEMENT - IT'S	USN	CRANE OPERATIONS - SAFETY	USN
YOUR BUSINESS	USAF	PRECAUTIONS	
* MANAGEMENT'S ROLE IN HEALTH	USIA	DEFENSE PROCUREMENT -	
AND SAFETY	USDA	CONTRACT ADMINISTRATION	USA
MATERIAL HANDLING PRINCIPLES IN	USCSC	DEFENSE PROCUREMENT - FORMAL	
TRANSPORTATION	USAF	ADVERTISING	USA
MY FRIEND, THE ENEMY	USN	DESIGN FOR SURVIVAL	USA
* NATIONAL GRASSLANDS	USOE	DRAFTS AND SLINGS	USA
ORIGIN AND HISTORY OF PROGRAM	USAF	* EASIER WAY, AN	USDA
BUDGETING, THE	USN	ENGINEERING DATA MANAGEMENT	USAF
PERFORMANCE EVALUATION	USOE	* ERECTING LARGE POLES	USA
PERT--MILESTONE SYSTEM--PERT	USDA	* HANDLING AND STORING APPLES	USDA
INTRODUCTION	USN	IN PALLET BOXES	
PLACING THE RIGHT MAN ON THE	USOE	* HANDLING FRUITS AND	USDA
JOB	USAF	VEGETABLE IN WHOLESALE	USPOST
PLACING THE RIGHT MAN ON THE	USN	WAREHOUSES	USA
JOB (SPANISH)	USOE	* LIFTING-A-WEIGHT AWAY	
* PLANTING ISN'T ENOUGH	USDA	* LOADING AND UNLOADING POLES	
PRINCIPLES OF PAPERWORK	USN	LOADS & LOADING OF GENERAL	
MANAGEMENT--BETTER	USDA	TRANSPORT VEHICLES	USA
CORRESPONDENCE PRACTICES	USAF	MANAGEMENT IMPROVEMENT - IT'S	
PRINCIPLES OF PAPERWORK	USN	YOUR BUSINESS	USN
MANAGEMENT--MOVING THE MAIL	USN	* MATERIAL HANDLING IN AAF	USAF
* RANCHERS AND RANGERS	USDA	DEPOTS	
* RANCHERS AND RANGERS	USDA	MATERIAL HANDLING PRINCIPLES IN	
(SPANISH)	USDA	TRANSPORTATION	USAF
* RIVER OF MAIL	USPO	MATERIALS HANDLING EQUIPMENT	
* RIVER RUN	USDA	OPERATION - GANTRY TRUCK	
* SAFETY PRACTICES IN LOW-COAL	USBM	AND WAREHOUSE CRANES	USN
MINING	USDA	MEDICAL SUPPLY SYSTEM, U S	
* SECTOR BOSS	USFSS	ARMY, PT 2, OPERATIONS AT	
STATISTICAL SAMPLING - A	USOE	CONUS AND OVERSEAS	USA
MANAGEMENT TOOL	USN	INSTALLATIONS	
SUPERVISING WOMEN WORKERS	USSBA	MEDICAL SUPPLY, U S ARMY, PT 1,	
SUPPLY MANAGER'S DILEMMA, THE	USN	ORGANIZATION AND	
THREE TIMES THREE	USN	ADMINISTRATION	USA
UNION STEWARD AND YOU, THE	USDA	MILITARY SEA TRANSPORTATION	
* USE OF FIRE IN SLASH DISPOSAL	USA	SERVICE, THE INTRODUCTION	USN
* WHO DOES WHAT TO WHAT - THE	USDA	* MILITARY STEVEDORING, PT 2 -	
WORK DISTRIBUTION CHART	USDA	SLINGS AND BRIDLES	USA
* WILDLIFE AND THE HUMAN TOUCH	USDA	* MODERNIZING MARKET FACILITIES	USDA
* WILDLIFE AND TIMBER	USDA	* NARRATIVE CONSTRUCTION SAFETY	
* YOUR WORST ENEMY	USBM	AND HEALTH TRAINING COURSE	SL
<b>MANUFACTURING</b>			
* EASIER WAYS OF LOGGING	USDA	NOT BY MAGIC	USDL
* EASIER WAYS OF LOGGING	USDA	* OH! MY ACHING BACK	USGSA
(SPANISH)	USDA	* REALITIES OF RECYCLING, THE	USBM
FOUR ELEMENTS, THE	USIA	RELIABILITY - PART AND PARCEL	USEPA
QUARTERMASTER QUALITY	USA	* RIVER OF MAIL	USAF
CONTROL FOR GENERAL	USDA	SLINGING LOAD	USPO
SUPPLIES AND PARTS	USDA	* STATISTICAL QUALITY CONTROL -	USN
* SMALL SAWMILL, THE	USDA	PROCESS CONTROL	USSBA
<b>MATERIALS HANDLING</b>			
AMMUNITION SUPPLY POINT	USA	STEP IN THE RIGHT DIRECTION, A	
OPERATION	USAF	STRAPS AND TRANSPORTATION	
BASE PROCUREMENT	USN	BRIDLES	USA
BEANS, BULLETS AND BLACK OIL	USA	SUMMER MOVEMENTS IN THE	
CASE METHOD OF INSTRUCTION,	USN	ARCTIC	USA
THE, PT 2	USA	SUPPLY MANAGER'S DILEMMA, THE	USN
CIVILIAN SAILOR - THE STORY OF	USN	* THAT THE BEST WILL BE OURS	USDA
THE NAVAL RESERVE	USN	WHAT, WHERE AND WHEN - THE	
		STORY OF THE U S ARMY SUPPLY	
		AND MAINTENANCE COMMAND	
		WHY CALIBRATE	USA
			USN

\* INDICATES NEW ENTRY

**BUSINESS AND ECONOMICS  
OFFICE PROCEDURE - (Continued)**

**OFFICE PROCEDURE**

ANYTHING IS POSSIBLE - WITH TRAINING  
BASE PROCUREMENT  
COMMUNICATION CENTER PROCEDURE, PT 2, INCOMING MESSAGES  
COMPUTER SYSTEMS IN PERSONNEL ACCOUNTING  
CONTROLLER-COMPUTER PARTNERSHIP, THE COST REDUCTION - EVERYBODY'S JOB  
DISCIPLINE - GIVING ORDERS  
DISCIPLINE - GIVING ORDERS (SPANISH)  
DISCIPLINE - REPRIMANDING  
DISCIPLINE - REPRIMANDING (SPANISH)  
\*HOW TO ADDRESS A LETTER  
HOW TO CONDUCT A MEETING  
INTERVIEWING PRINCIPLES AND TECHNIQUES  
MAIL DISTRIBUTION CLERK, THE MAIL HANDLER, THE MAN OR WOMAN FOR THE JOB, THE ONE BITE AT THE APPLE  
PRINCIPLES OF PAPERWORK MANAGEMENT  
PRINCIPLES OF PAPERWORK MANAGEMENT-MANAGING YOUR FORMS  
PRINCIPLES OF PAPERWORK MANAGEMENT--BETTER CORRESPONDENCE PRACTICES  
PRINCIPLES OF PAPERWORK MANAGEMENT--MANAGING YOUR REPORTS  
PRINCIPLES OF PAPERWORK MANAGEMENT--RECORDS DISPOSAL  
\*ROADMAP TO LESS EFFORT - THE FLOW PROCESS CHART  
SUPPLY MANAGER'S DILEMMA, THE

**QUALITY CONTROL**

AIR FORCE NON-DESTRUCTIVE TESTING  
\*DESIGN AND CONTROL OF CONCRETE MIXES  
EVALUATION OF PLANT FACILITIES AND CAPABILITIES  
MAINTAINING QUALITY STANDARDS  
MAINTAINING QUALITY STANDARDS (SPANISH)  
\*PACKAGING FOOD FOR YOU  
QUALITY PROGRAMS AND INSPECTION SYSTEM REQUIREMENTS - QUALITY PROGRAM...  
QUARTERMASTER QUALITY CONTROL FOR GENERAL SUPPLIES AND PARTS  
\*ROADMAP TO LESS EFFORT - THE FLOW PROCESS CHART  
SAUCE FOR THE GANDER  
\*SMALL SAWMILL, THE  
\*STATISTICAL QUALITY CONTROL - PROCESS CONTROL  
\*WHAT IS YOUR QA QUOTIENT?

**SALESMANSHIP AND MARKETING**

ADVERTISING QUESTION, THE  
\*ALICE IN NUMBERLAND  
\*BEACON IN THE MARKET PLACE

USSBA USAF	*BUILDING FOOD SALES THROUGH BETTER MERCHANDISING DEFENSE PROCUREMENT - FORMAL ADVERTISING	USDA
USA	*FARMER COOPERATION IN EUROPE FOLLOW UP, THE	USDA
USA	*FOREIGN MARKETING NEWSREEL	USDA
USFAA	*JANET AND THE GENIE	USDA
USAF USN	*MARKETING RESEARCH PAYS OFF	USDA
USN	*MIRACLES FROM AGRICULTURE	USDA
USN	ONE BITE AT THE APPLE	USFSS
USN	*PLANT FOR THE FUTURE	USDA
USN	*PRODUCTION CREDIT DOES THE JOB	USDA
FS	STEP IN THE RIGHT DIRECTION, A	USSBA
USPOST USA	*TARGET ZERO	USDA
USN	*THIS IS LIVESTOCK POOLING	USDA
USN	*TREE GROWS FOR CHRISTMAS, A VARIATIONS ON A THEME	USDA
USN	*WORKING FOREST, A	USSBA
	*YOUR AUDIENCE, BLESS 'EM	USDA
		USDA

**SMALL BUSINESS**

USN	ADVERTISING QUESTION, THE	USSBA
USPO	*AGRICULTURE STORY, THE	USDA
USPO	*BIG GAMBLE, THE	USDA
USSBA	BURGLARY IS YOUR BUSINESS	USSBA
USFSS	*BUSINESS PLAN, THE - FOR SMALL BUSINESSMEN	USSBA
USN	CALENDAR GAME, THE	USSBA
USN	CONTINUITY OF REHABILITATION SERVICES	USSBA
USN	*HEARTBEAT OF BUSINESS, THE	USSBA
USN	IT CAN HAPPEN TO YOU	USSBA
USN	IT'S YOUR MOVE	USSBA
USN	JUNIOR ACHIEVEMENT	USA
USN	*PLANT FOR THE FUTURE	USDA
USN	*SEVENTH CHAIR, THE	USSBA
USN	THEY'RE OUT TO GET YOU	USSBA
USN	THREE TIMES THREE	USSBA
USN	*WORKING FOREST, A	USDA
USN	YOU AND YOUR CUSTOMERS	USSBA

**SUPERVISION**

USAF	AFLC ZERO DEFECTS STORY	USAF
USFHW	*BETTER WAYS FOR DOING WORK - INTRODUCTION TO THE ARMY WORK SIMPLIFICATION PROGRAM	USA
USFSS	*COUNTING WHAT COUNTS - WORK COUNTS	USA
USOE	*CREW BOSS	USDA
USOE	DEVELOPING COOPERATION	USN
USDA	DISCIPLINE - GIVING ORDERS	USN
USDA	DISCIPLINE - GIVING ORDERS (SPANISH)	USN
USDA	DISCIPLINE - REPRIMANDING	USN
USDA	DISCIPLINE - REPRIMANDING (SPANISH)	USN
USAF	EMPLOYING BLIND WORKERS IN INDUSTRY	USOE
USA	EMPLOYING DISABLED WORKERS IN INDUSTRY	USOE
USA	ESTABLISHING WORKING RELATIONS FOR THE DISABLED WORKER	USOE
USN	EVERY MINUTE COUNTS	USOE
USDA	FIRST IMPRESSIONS	USN
USDA	FIRST IMPRESSIONS (SPANISH)	USN
USN	*FOREMANSHIP TRAINING - A SERIES	USBM
USFDA	HOW TO CONDUCT A MEETING	USA
USFDA	IMPROVING THE JOB	USOE
USFDA	INSTRUCTING THE BLIND WORKER ON THE JOB	USOE
USFDA	INSTRUCTING THE DISABLED WORKER ON THE JOB	USOE

\* INDICATES NEW ENTRY

## BUSINESS AND ECONOMICS

### SUPERVISION - (Continued)

INSTRUCTING THE WORKER ON THE JOB	USOE	*COLOR FOR SAFETY	USBM
INSTRUCTING THE WORKER ON THE JOB (SPANISH)	USOE	*CONVEYOR BELTS - BE CAREFUL	USBM
INTERVIEWING PRINCIPLES AND TECHNIQUES	USN	*COTTON - FIBER WITH A FUTURE	USDA
INTRODUCING THE NEW WORKER TO HIS JOB	USOE	*COTTON WAREHOUSING	USDA
*INVESTIGATION - A TOOL FOR ACCIDENT PREVENTION	USBM	*COTTON WAREHOUSING (SPANISH)	USDA
LATER YEARS OF THE WOODLEYS, THE	USSRS	*CREATIVITY	USDA
MAINTAINING GOOD WORKING CONDITIONS	USOE	*EASIER WAY, AN	USDA
MAINTAINING GOOD WORKING CONDITIONS (SPANISH)	USOE	*EASIER WAYS OF LOGGING	USDA
MAINTAINING QUALITY STANDARDS	USOE	*EASIER WAYS OF LOGGING (SPANISH)	USDA
MAINTAINING QUALITY STANDARDS (SPANISH)	USOE	*ELECTRICAL EQUIPMENT - MASTER OR SERVANT	USBM
MAINTAINING WORKERS' INTEREST	USOE	ENGINEERED PERFORMANCE STANDARDS PROGRAM, THE	USN
MAINTAINING WORKERS' INTEREST (SPANISH)	USOE	ENGINEERING DOCUMENTATION FOR UNIFORM REQUIREMENTS	USA
NEW SUPERVISOR TAKES A LOOK AT HIS JOB, A	USOE	*FACT FINDERS, THE	USDA
PERFORMANCE COUNSELING	USA	*FALL GUYS, THE	USBM
PERFORMANCE EVALUATION	USAF	*FAMILY FOREST, THE	USDA
PLACING THE RIGHT MAN ON THE JOB	USOE	*FARMER COOPERATION IN EUROPE	USDA
PLACING THE RIGHT MAN ON THE JOB (SPANISH)	USOE	*FIRE CONTROL SIMULATOR	USDA
PLANNING AND LAYING OUT WORK	USOE	*FIRE FIGHTING IN THE MINERAL INDUSTRY	USBM
*POTENTIAL UNLIMITED	USOE	*FIRE PLOW PERFORMANCE AND USE	USDA
PRINCIPLES OF PAPERWORK	USN	FLOW PROCESS CHART AND HOW TO USE IT, THE	USOSRD
MANAGEMENT--MOVING THE MAIL	USBM	FLOW PROCESS CHART AND HOW TO USE IT, THE (SPANISH)	USOSRD
*SAFETY IN STRIP MINING	USOE	*HANDLING AND STORING APPLES IN PALLET BOXES	USDA
SAFETY IN THE SHOP	USOE	*HANDLING FRUITS AND VEGETABLE IN WHOLESALE WAREHOUSES	USDA
SAFLTY IN THE SHOP (SPANISH)	USBM	*HELICOPTERS IN FIRE CONTROL	USDA
*SELL SAFETY	USBM	*HOME ON THE RANGE	USDA
*SET THE PACE	USBM	INTERVIEWING PRINCIPLES AND TECHNIQUES	USN
STATISTICAL SAMPLING - A MANAGEMENT TOOL	USFSS	*LIFTING-A-WEIGHT AWAY	USPOST
SUPERVISING WOMEN WORKERS	USOE	*MAGIC OF FIRE, THE MAINSTAY OF THE MAILS, THE	USBM
SUPERVISING WORKERS ON THE JOB	USOE	*MAINTAINING GOOD VOLTAGE ON RURAL DISTRIBUTION LINES	USDA
SUPERVISING WORKERS ON THE JOB (SPANISH)	USOE	*MARK OF QUALITY	USDA
SUPERVISOR AS A LEADER, THE, PT 1	USOE	*MINE RESCUE CONTEST TRAINING	USBM
SUPERVISOR AS A LEADER, THE, PT 2	USOE	*MIRACLES FROM AGRICULTURE	USDA
*SUPERVISORY TRAINING - A SERIES	USBM	*NEW NUMBERS, THE	USDA
*TEACH SAFETY	USBM	*NEW USES FOR FARM PRODUCTS	USDA
*TOWARD FULL INTEGRATION	USN	*NINE OUT OT TEN	USDA
UNION STEWARD AND YOU, THE	USN	NOTHING FOR GRANTED	USN
*WHO DOES WHAT TO WHAT - THE WORK DISTRIBUTION CHART	USA	*ONLY A BUNCH OF TOOLS	USDA
WORKING WITH OTHER SUPERVISORS	USOE	*OUR LAND - ITS MANY FACES	USDA
WORKINC WITH OTHER SUPERVISORS (SPANISH)	USOE	*PACKAGING FOOD FOR YOU	USDA
<b>TECHNIQUE AND SYSTEM</b>		*PESTS OR PLENTY	USDA
AIR FORCE TECHNICAL ORDER SYSTEM, THE	USAF	*PHYSICAL SECURITY, PT 10 - IDENTIFICATION AND CONTROL	USA
*ALICE IN NUMBERLAND	USDA	*PIECE OF WOOD, A	USDA
*AT HOME WITH WOOD	USDA	PREPARE WITH CARE	USPO
*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 1, STRONGER-TYPE SWITCHING SYSTEMS	USA	*PRESCRIBED BURNING IN THE SOUTH	USDA
*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 2, XY SWITCHING SYSTEMS	USA	PRINCIPLES OF PAPERWORK MANAGEMENT	USN
*BUILDING THE FIRE LINE	USDA	PRINCIPLES OF PAPERWORK MANAGEMENT-MANAGING YOUR FORMS	USN
*BUILDING THE FIRE LINE (SPANISH)	USDA	PRINCIPLES OF PAPERWORK MANAGEMENT--BETTER CORRESPONDENCE PRACTICES	USN
		PRINCIPLES OF PAPERWORK MANAGEMENT--MANAGING YOUR REPORTS	USN
		PRINCIPLES OF PAPERWORK MANAGEMENT--MOVING THE MAIL	USN
		PRINCIPLES OF PAPERWORK MANAGEMENT--RECORDS DISPOSAL	USN

\* INDICATES NEW ENTRY

**BUSINESS AND ECONOMICS  
TECHNIQUE AND SYSTEM - (Continued)**

\*RAISINS YOU BUY, THE  
 \*REA STORY, THE  
 \*REALITIES OF RECYCLING, THE  
 \*RECYCLING  
 RELIABILITY - ECONOMIC  
 CONSIDERATIONS IN RELIABILITY  
 RELIABILITY - ELEMENTS OF  
 RELIABILITY PREDICTION  
 RELIABILITY - FUNDAMENTAL  
 CONCEPTS, PT 1  
 RELIABILITY - FUNDAMENTAL  
 CONCEPTS, PT 2  
 RELIABILITY - PART AND PARCEL  
 RELIABILITY - RELIABILITY  
 MONITORING  
 RELIABILITY - RELIABILITY TESTING  
 RELIABILITY - SPECIFICATIONS AND  
 RELIABILITY ASSURANCE  
 RELIABILITY - STATISTICAL  
 CONCEPTS  
 RELIABILITY - THE APPLICATION OF  
 RELIABILITY DATA  
 RELIABILITY ENGINEERING -  
 RELIABILITY TESTING  
 \*ROOF BOLTING IN COAL MINES  
 \*SANITARY LANDFILL - ONE PART  
 EARTH TO FOUR PARTS REFUSE  
 \*SMALL SAWMILL, THE  
 \*SOMETHING TO CROW ABOUT  
 STANDARDIZATION  
 STANDARDIZATION - ENGINEERING  
 PLANNING  
 STATISTICAL DESIGN OF  
 EXPERIMENTS, THE  
 STEP IN THE RIGHT DIRECTION, A  
 \*STUFF WE THROW AWAY, THE  
 \*TARGET ZERO  
 \*THAT THE BEST WILL BE OURS  
 THREE TIMES THREE  
 \*TREE IS BORN, A  
 \*USE OF FIRE IN SLASH DISPOSAL  
 VALUE ENGINEERING - MORE SHIPS  
 FOR LESS MONEY  
 VEHICLE MAINTENANCE STORY, THE  
 \*VOLUNTEER FIREMAN, THE  
 \*WATERS OF COWEETA  
 \*WHAT'S NEW IN SOLID WASTE  
 MANAGEMENT  
 \*WILDLIFE AND TIMBER  
 ZIP CODE - THE SWING SIX

**TRANSPORTATION**

AIRLIFT FROM AMERICA  
 \*AMONG YOUR SOUVENIRS  
 ANYTIME - ANYTHING - ANYPLACE  
 ARCTIC SHIPPING - MSTS ARCTIC  
 OPERATIONS  
 ARMY PACKAGE POWER REACTOR  
 BEST INVESTMENT WE EVER MADE,  
 THE  
 \*COTTON WAREHOUSING  
 \*COTTON WAREHOUSING (SPANISH)  
 CRANE OPERATIONS - FLOATING  
 CRANES  
 \*DANGERS ALONG HAULAGEWAYS  
 \*DON'T BRING YOUR ENEMY HOME  
 DON'T GET STRANDED  
 DRAFTS AND SLINGS  
 ELECTRONIC ROUTE SYSTEM  
 \*FIRE PLOW PERFORMANCE AND  
 USE  
 \*GENERAL AVIATION - FACT OR  
 FICTION  
 \*HANDLING FRUITS AND  
 VEGETABLE IN WHOLESALE  
 WAREHOUSES

USDA	*HAULAGE SAFETY IN LOW-COAL MINES	USBM
USDA	HELICOPTER SPECIAL DELIVERY	USA
USEPA	HIGHWAYS ARE FOR PEOPLE	USFHWA
USEPA	LIGHT, VESSELS BEING TOWED	USN
USN	*LOADING AND UNLOADING POLES	USA
USN	LOADS & LOADING OF GENERAL TRANSPORT VEHICLES	USAF
USN	*MATERIAL HANDLING IN AAF DEPOTS	USAF
USN	MATERIAL HANDLING PRINCIPLES IN TRANSPORTATION	USAF
USAF	MATERIALS HANDLING EQUIPMENT OPERATION - GANTRY TRUCK	
USN	AND WAREHOUSE CRANES	USN
USN	MILITARY SEA TRANSPORTATION SERVICE, THE INTRODUCTION	USN
USN	MILITARY SEA TRANSPORTATION SERVICE, THE TROOP TRANSPORTATION	USN
USN	*MILITARY STEVEDORING, PT 2 - SLINGS AND BRIDLES	USA
USN	*NAVIGATION RETURNS TO THE ARKANSAS	USAE
USN	*OPEN-PIT MINING HAZARDS	USBM
USBM	POINT CONTROL OF TRAFFIC	USA
USEPA	*SAFETY IN STRIP MINING	USBM
USDA	SHIPBOARD HELICOPTER OPERATIONS - FUNCTIONS	USN
USDA	*SHUTTLE CAR OPERATOR STRAPS AND TRANSPORTATION BRIDLES	USBM
USN	SUMMER MOVEMENTS IN THE ARCTIC	USA
USSBA	TARGET - URBAN MOBILITY	USFHWA
USEPA	TICKET THROUGH THE SOUND	
USDA	BARRIER	USNASA
USDA	TRANSPORTATION OF THE SICK AND WOUNDED	USA
USDA	TRANSPORTATION, U S A	USIA

**CHEMISTRY**

**ANALYSIS**

USN	CAPITAL STORY	USOWIO
USPO	FIRST CHEMICAL SEPARATION OF	
USDA	LAWRENCIUM	USAFC

**BIOCHEMISTRY**

USAF	ASSESSMENT OF FAT DIGESTION	SL	USNMAC
USDA	*ISOLATION AND PRELIMINARY IDENTIFICATION OF CULTURES	FS	USNMAC
USAF	LIVING WITH RADIATION		USAEC
USN	MODIFICATION OF RADIATION		
USAEC	INJURY IN MICE		USAEC
USFAA	*SIMPLIFIED SEROLOGIC IDENTIFICATION OF SALMONELLA CULTURES	FS	USNMAC
USDA			
USDA			

**CHROMATOGRAPHY**

USN	ANTIGEN ANALYSIS BY CELLULOSE CHROMATOGRAPHY AND GEL DIFFUSION OF HYDATID FLUID		USPHS
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**CRYSTALLOGRAPHY**

USDA	*ADDED SENSE, AN - THE DETECTION OF NUCLEAR RADIATION	USAEC
USDA	CHARACTERISTICS OF CRYSTALS	USAF
USDOD	CRYSTAL STRUCTURES AT HIGH PRESSURES	
USA	DIFFRACTOMETER CONTROL SYSTEM - A SYSTEM FOR EASY MAN-MACHINE COMMUNICATIONS	USNBS
USFHWA		
USFAA		
USDA		

\* INDICATES NEW ENTRY

**CHEMISTRY**  
**CRYSTALLOGRAPHY - (Continued)**

NEUTRON DIFFRACTION	USAEC	REACTION	
*RADIATION DETECTION BY SCINTILLATION	USAEC	*FIRE IN THE FOREST	USDA
X-RAY SPECTROSCOPY - THE INSIDE STORY	USNASA	*INTRODUCTION TO FIRE BEHAVIOR	USDA
		*INTRODUCTION TO FIRE BEHAVIOR (SPANISH)	USDA
		PRINCIPLES OF THERMAL, FAST, AND BREEDER, REACTORS	USAEC
		RADIATION EFFECTS IN CHEMISTRY	USAEC
		XENON TETRAFLUORIDE	USAEC
<b>INORGANIC CHEMISTRY</b>		<b>TECHNIQUE AND EQUIPMENT</b>	
*EFFECTS OF CO ON HUMAN PERFORMANCE	USEPA	*AUTOMATION IN CLINICAL CHEMISTRY, PT 1, HOW IT WORKS	USN
XENON TETRAFLUORIDE	USAEC	*AUTOMATION IN CLINICAL CHEMISTRY, PT 2, ASSEMBLY AND OPERATION OF EQUIPMENT	USN
<b>LABORATORY</b>	USDA	*CARE AND USE OF A PERMISSIBLE FLAME SAFETY LAMP, THE	USBM
*CHALLENGING CAREERS IN CHEMISTRY	USAEC	*CHALLENGING CAREERS IN CHEMISTRY	USDA
XENON TETRAFLUORIDE	USAEC	LIQUID SCINTILLATION COUNTING	USAEC
<b>METALLURGY</b>	USAEC	METHOD FOR RAPID ELECTROPHORESIS	USNMAC
CURRENT METHODS IN PLUTONIUM FUEL FABRICATION	USAEC	*PIECE OF WOOD,	USDA
FABRICATION OF RESEARCH REACTOR FUEL ELEMENTS	USAEC		
FIFTH FUEL, THE	USAEC		
JOURNAL OF PLUTONIUM, A MICRODEFORMATION OF URANIUM MIRACLE IN THE DESERT - THE STORY OF HANFORD	USAEC		
NEUTRON IMAGE DETECTOR	USAEC		
NOVEL METHODS OF FUEL FABRICATION	USAEC		
PIQUA NUCLEAR POWER FACILITY, THE	USAEC		
PLUTONIUM FUEL FABRICATION FOR MTR	USAEC		
PLUTONIUM METAL PREPARATION	USAEC		
PLUTONIUM RECYCLE	USAEC		
PRINCIPLES OF THERMAL, FAST, AND BREEDER, REACTORS	USAEC		
*PROTECTION AGAINST RADIOACTIVITY IN URANIUM MINES	USAEC		
REACTOR FUEL PROCESSING	USBM		
SHEAR-LEACH PROCESS FOR SPENT NUCLEAR FUELS	USAEC		
TERNARY PHASE DIAGRAM	USAEC		
THORIUM - U233 UTILIZATION	USAEC		
TRIP STEEL	USAEC		
<b>ORGANIC CHEMISTRY</b>		<b>CIVICS AND GOVERNMENT</b>	
FLUE GAS ANALYSIS - ORSAT APPARATUS	USOE	<b>CITIZENSHIP</b>	
OMRE FUEL ELEMENT REMOVAL AND SECOND CORE LOADING	USAEC	*AIR FORCE NOW, THE, NO. 07	USAF
ORGANIC MODERATED REACTOR EXPERIMENT	USAEC	*AT THIS VERY MOMENT LETTER FROM A MOTHER	USN
<b>OXIDATION</b>	USAEC	*MARINE CORPS JUNIOR ROTC OLD GLORY	USA
*CARE AND USE OF A PERMISSIBLE FLAME SAFETY LAMP, THE	USBM	ONCE TO MAKE READY OUR TOWN IS OUR CLASSROOM	USNMAC
*INTRODUCTION TO FIRE BEHAVIOR	USDA		USDA
*INTRODUCTION TO FIRE BEHAVIOR (SPANISH)	USDA		
OXIDASE TEST, THE	USNMAC		
<b>RADIATION</b>		<b>CIVIL DEFENSE AND DISASTER</b>	
CRYSTAL STRUCTURES AT HIGH PRESSURES	USNBS	A + SCHOOL, THE ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	USOCD
DIAGNOSIS AND THERAPY WITH RADIATION	USAEC	DECONTAMINATION - INTERIORS	USN
*FALLOUT AND AGRICULTURE	USAEC	ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	
IONIZING RADIATION IN HUMANS	USAEC	DECONTAMINATION - PERSONAL EQUIPMENT	
LASER-MIRACLES WITH LIGHT	USA	ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	
*RADIATION DETECTION BY SCINTILLATION	USAEC	DECONTAMINATION - PERSONNEL	
RADIATION EFFECTS IN CHEMISTRY	USAEC	ABC WARFARE DEFENSE ASHORE - BIOLOGICAL AND CHEMICAL	
		DECONTAMINATION - EXTERIORS	
		ABC WARFARE DEFENSE ASHORE - CHEMICAL WARFARE	
		DECONTAMINATION - PERSONNEL	
		ABC WARFARE DEFENSE ASHORE - DETECTION OF CONTAMINATED AREAS IN BIOLOGICAL AND ...	
		ABC WARFARE DEFENSE ASHORE - PROTECTIVE CLOTHING FOR DECONTAMINATION PERSONNEL	
		ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, LIFTING DEVICES, SHORING	
		ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, RIGGING, BREACHING WALLS, TUNNELING	
		*AIR FORCE NOW, THE, NO. 06	USAF
		*AIR FORCE NOW, THE, NO. 13	USAF
		AIRLIFT FROM AMERICA	USAF
		ALASKAN CENTENNIAL	USA
		APOLLO RECOVERY	USNASA
		*BLOCK THAT TERMITE	USDA
		*BLUE TONGUE	USDA
		*BURNING ISSUE	USDA

\* INDICATES NEW ENTRY

## **CIVICS AND GOVERNMENT**

### **CIVIL DEFENSE AND DISASTER - (Continued)**

CD EMERGENCY PREPAREDNESS AT THE MARSHALL SPACE FLIGHT CENTER		*RURAL HOLIDAYS	USDA
*CERTAIN DISTANCE, A CUMMINGS CITY - MILITARY ASSISTANCE IN CIVIL DISASTER	USOCD	RX FOR A RIVER	USAE
DATELINE ALASKA	USDA	*SAFEST PLACE, THE	USDA
DAY IN MARCH, A	USDOD	*SAFEST PLACE, THE (SPANISH)	USDA
DAY THAT MADE A DIFFERENCE, THE	USIA	SHACKLES FOR THE GIANT	USAE
DISASTER AID - PUBLIC HEALTH ASPECTS	USOCD	SLANTING	USOCD
DISASTER FEEDING	USDA	*SMOKEJUMPERS	USDA
*DUST IS DYING, THE	USDOD	SPOTLIGHT ON RECOVERY	USFAA
*EARTHQUAKE	USIA	SPUR DIKES	USFHWA
*EARTHQUAKE	USOCD	*STAMP OUT HOG CHOLERA	USDA
*EASTERN WHITE PINE	USA	*STAMP OUT HOG CHOLERA	USDA
*EMERGENCY INVESTIGATION OF COAL WASTE EMBANKMENTS	USDA	(SPANISH)	USDA
*ENVIRONMENT FOR EDUCATION	USOCD	STORY OF THE GREAT LAKES	USCG
*ERADICATING THE KHAPRA BEETLE	USDCPA	*THERE COMES A TOMORROW	USDA
*ETERNAL FOREST, THE EXTRA DIVIDENDS	USDA	*THINK LIKE A MOUNTAIN	USDA
*EXTRA FOREST DOLLARS FACE OF DISASTER, THE	USBM	THOUGH THE EARTH BE MOVED,	USOCD
*FALLOUT AND AGRICULTURE FIVE DAYS OF BETSY, THE	USDCPA	THE ALASKAN EARTHQUAKE	USAE
*FRIENDLY WATERS	USDA	THOUSAND-MILE MIRACLE	USAE
*FROM THE RIDGE TO THE RIVER	USDA	TIME BOMB IN THE RIVER	USESSA
*HELICOPTER MANAGEMENT	USAE	TORONADO	USOCD
*HELICOPTER MANAGEMENT (SPANISH)	USDA	TOWN OF THE TIMES	USOWIO
*HERITAGE RESTORED HURRICANE CALLED BETSY, A	USOCD	VALLEY OF THE TENNESSEE	USDA
HURRICANE CIRCUIT	USDA	*VESICULAR EXANTHEMA	USDA
HURRICANE HUNTERS	USOCD	*WANTED - PLANT PEST	USDA
HURRICANE HUNTERS	USDA	DETECTIVES	USDA
IN CARLA'S WAKE	USDA	*WANTED--PLANT PEST DETECTIVES	USDA
IN TIME OF EMERGENCY	USDA	(SPANISH)	USDA
IT HAPPENED IN TEXAS (HURRICANE BEULAH '87)	USDA	*WATCH OUT FOR WITCHWEED	USDA
*LADY CALLED CAMILLE, A	USDA	*WATER FOR FARM AND CITY	USDA
*LADY CALLED CAMILLE, A (SPANISH)	USDA	*WATERSHED WILDFIRE	USDA
*LAND CHANGES, THE LEVEES ON THE LOWER MISSISSIPPI	USDA	*WEATHERPROOFING BACA COUNTY	USDA
*MAN AGAINST FIRE	USAE	*WHO SHALL REAP	USDA
*MAN AGAINST FIRE (SPANISH)	USDA	*WHO SHALL REAP (SPANISH)	USDA
*MAN IN GREEN, THE MEMORANDUM ON SECURITY	USDA	WOOD PRESERVATION - CONTROL	USDA
MEMORANDUM TO INDUSTRY	USDA	OF WOOD DESTROYING	USDA
MUTUAL AID - THE 'US' IN INDUSTRY	USDA	ORGANISMS	USN
*MYSTERY AT SMOKY HOLLOW NIGHT ON JACKRABBIT MESA, A	USDA	*YOUR WAY OUT	USDA
*NINETEEN HUNDRED FIFTY-FIVE ERUPTION OF KILAUEA VOLCANO, HAWAII	USDOD		
OCCUPYING A PUBLIC SHELTER	USOCD		
ONCE TO MAKE READY	USOCD		
ONE WEEK IN OCTOBER	USOCD		
OPERATION CUE (REVISED)	USOCD		
OPERATION NOAH	USA		
OTHER SIDE OF THE RIVER, THE	USAE		
*PAMELA'S TREE	USDA		
PANCHO	USOEQ		
*PEOPLE AND APOLLO, THE PLAN FOR PROTECTION	USDCPA		
*PLAN FOR SURVIVAL	USAE		
PORT PREPAREDNESS	USBM		
PROTECTED SCHOOL, THE	USOCD		
*RESPONSE TO DISASTER	USAE		
RESTLESS RIVER	USAE		
*RINDERPEST	USDA		
RIVER, THE	USDA		
*ROUNDUP	USDA		
*ROUNDUP (SPANISH)	USDA		
		CIVIL RIGHTS	
		*AT THIS VERY MOMENT	USN
		*BROTHER	USFAA
		*GET IT ALL TOGETHER	USSRS
		*HOW DISCRIMINATION COMPLAINTS	SL
		ARE PROCESSED	USCSC
		JOB APPEAL	USNMAC
		*NINE FROM LITTLE ROCK	USIA
		*TEDDY	USNIMH
		COMMUNISM	
		CASE OF COMRADE 'T', THE	USDOD
		CHALLENGE OF IDEAS, THE	USDOD
		COMMUNISM	USDOD
		*COMMUNISM	USDOD
		COMMUNIST BLUEPRINT FOR	USDOD
		CONQUEST	USDOD
		COMMUNIST EUROPE	USDOD
		COMMUNIST TARGET - YOUTH	USDOD
		COMMUNIST WEAPON OF ALLURE,	USDOD
		THE	USDOD
		FREEDOM AND YOU	USDOD
		*FROM WHERE I SIT	USDS
		RED NIGHTMARE	USDOD
		REVOLT OF A GENERATION	USIA
		ROAD TO THE WALL	USA
		THIRD CHALLENGE, THE	USDOD
		DEFENSE SYSTEM	
		ABERDEEN PROVING GROUND	USA
		AERIAL TOUR OF WHITE SANDS	USA
		MISSILE RANGE	USA
		AEROSPACE POWER	USA
		AFLC ZERO DEFECTS STORY	USA
		AIR FORCE MISSILE MISSION, THE	USA
		AIR FORCE NOW, THE	USA
		*AIR FORCE NOW, THE, NO. 05	USA

\* INDICATES NEW ENTRY

**CIVICS AND GOVERNMENT**  
**DEFENSE SYSTEM - (Continued)**

*AIR FORCE NOW, THE, NO. 06	USAF	LANDBASED HELICOPTER OPERATIONS - PRECAUTIONS	USN
*AIR FORCE NOW, THE, NO. 17	USAF	MAN AND THE ATOM	USAEC
AIR FORCE RESERVE - READY NOW	USAF	MAN AND THE FBM	USN
AIR FORCE ROTC COMES OF AGE	USAF	*MARINE CORPS JUNIOR ROTC	USN
AIR FORCE STORY, THE - A NEW AIR FORCE, 1945-1947	USAF	MARINES, 1965	USMC
AIR FORCE STORY, THE - AFTER THE WAR, 1918-19	USAF	MEETING GROUND, THE	USMC
AIR FORCE STORY, THE - AIR POWER ADVANCES, 1935-1937	USAF	*MILITARY POLICE OPERATION, PT 3 - MILITARY POLICE PATROL INVESTIGATIONS	USA
AIR FORCE STORY, THE - AIR WAR AGAINST JAPAN, 1944-1945	USAF	*MILITARY POLICE TRAFFIC CONTROL, PT 4 - TRAFFIC CONTROL RECONNAISSANCE	USA
AIR FORCE STORY, THE - BETWEEN WARS, 1930-1935	USAF	MILITARY SEA TRANSPORTATION SERVICE, THE TROOP TRANSPORTATION	USN
AIR FORCE STORY, THE - COLD WAR, 1948-1950	USAF	MOTION PICTURE HISTORY OF THE KOREAN WAR, THE	USDOD
AIR FORCE STORY, THE - D-DAY, JUNE 1944	USAF	NGUNG LAI	USCG
AIR FORCE STORY, THE - ENTERING THE ERA OF MISSILES (VOL 2, CHAP 6)	USAF	NOW SCENE, THE OCEANOGRAPHIC PREDICTION SYSTEM	USAF
AIR FORCE STORY, THE - OUR WORLD-WIDE AIR FORCE, 1953-1959 (VOL 2, CHAP 5)	USAF	ON FOREIGN SHORES	USCG
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ALASKAN PATROL	USCG	PERSONAL ENCOUNTER	USA
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ALEUTIAN MANNING	USAF	POLARIS, BLUE AND GOLD	USN
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BERLIN DUTY	USDOD	SHOULD THE DAY EVER COME	USCG
*BOMB SQUAD	USN	SILENT SENTINEL	USN
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*CERTAIN BREED OF MAN, A CIVILIAN SAILOR - THE STORY OF THE NAVAL RESERVE	USN	TACTICAL AIR POWER	USAF
CLEARED FOR TAKEOFF	USN	THAILAND	USA
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EMBASSY MARINE - A SENSE OF RESPONSIBILITY	USMC	ANOTHER WAY	USOEQ
*EXERCISE BRIGHT STAR - PINE CONE 3	USAF	*AT THIS VERY MOMENT	USN
EXERCISE DESERT STRIKE	USAF	PALLOTS THAT FLY	USDOD
EYES OF THE NORTH	USAF	CHALLENGE OF IDEAS, THE	USDOD
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FIRST FORTY DAYS, THE	USA	FREEDOM AND YOU	USDOD
FLOATING FORTRESS	USN	HERITAGE OF FREEDOM	USA
FLYING SOLDIERS	USA	IN HONOR OF LIBERTY	USDOD
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HERITAGE OF THE CORPS	USMC	PRESIDENCY, THE	USDOD
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I IN INFANTRY, THE - THE INDIVIDUAL	USA		
INTERNATIONAL ICE PATROL	USIA		

\* INDICATES NEW ENTRY

**CIVICS AND GOVERNMENT**  
**FOREIGN POLICY - (Continued)**

**FOREIGN POLICY**

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- \*ERP IN ACTION, VOL 1, NO. 04
- \*ERP IN ACTION, VOL 1, NO. 12
- QUIET BATTLE
- UNENDING STRUGGLE, THE
- UNITED STATES AND WESTERN EUROPE, THE
- \*VITAL OCEAN, THE
- \*WHY VIETNAM

**GOVERNMENT AGENCIES**

- \*AGRICULTURE STORY, THE
- \*AGRICULTURE, U S A
- \*ALICE IN NUMBERLAND
- AMERICA'S CRITICS ABROAD
- ARCHITECTS OF PEACE
- \*ARCHIVES, THE
- \*BETTER LIVING THROUGH RESEARCH
- \*BETTER WAYS FOR DOING WORK - INTRODUCTION TO THE ARMY WORK SIMPLIFICATION PROGRAM
- \*BOMB SQUAD
- COLUMBIA, THE - RIVER OF PLANNED DESTINY
- \*COUNTY GOVERNMENT
- \*FACT FINDERS, THE
- \*HERITAGE OF THE PLAINS
- \*HOW DISCRIMINATION COMPLAINTS ARE PROCESSED
- \*HOW TO ADDRESS A LETTER MAINSTAY OF THE MAILS, THE
- \*MAN IN GREEN, THE
- \*MARKETING RESEARCH PAYS OFF
- \*NEW USES FOR FARM PRODUCTS NOT BY MAGIC
- \*OPERATION BREAKTHROUGH OUR TOWN IS OUR CLASSROOM
- \*PIECE OF WOOD, A POULTRY PROCESSING INSPECTION PREPARE WITH CARE PRESIDENCY, THE
- \*PRESIDENT PLANTS A TREE, THE
- \*RAISINS YOU BUY, THE
- \*REA STORY, THE
- \*RESPONSE TO DISASTER SOCIAL SECURITY STORY, THE
- \*SOMETHING TO CROW ABOUT
- \*TARGET ZERO
- \*TEAMWORK ON THE NEVADA RANGE
- THIS IS FAA
- \*THIS IS OSHA
- \*TOWARD A MORE COMMON LANGUAGE
- VALLEY OF THE TENNESSEE
- \*VALLEY REVISITED
- \*VERSUS
- \*VESICULAR DISEASES OF ANIMALS (REV ED)
- \*VETERINARIAN, USDA
- \*WE SHOW THE WAY YOUR CONGRESSMAN AT WORK
- YOUR NATIONAL ARCHIVES

**INTERNATIONAL RELATIONS**

- \*AGE OF REVOLUTIONS, AN ARCHITECTS OF PEACE
- \*BACKGROUND TO BERLIN BETTER TOMORROW, A BUILDING A NATION CROSSOVER
- EVIL WIND OUT
- \*FROM WHERE I SIT

USDOD	FRONTIERS OF TRADE	USA
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	*HISTORY OF U S FOREIGN RELATIONS, THE - A SERIES	USDS
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	INTERNATIONAL SKIES	USFAA
	LATIN AMERICA	USDOD
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	LETTER TO A FRIEND	USA
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	NATIONAL FOLK FESTIVAL, PT 2	USA
	NATIONAL FOLK FESTIVAL, PT 3	USA
	NEW EYES AND NEW EARS	USA
	NGUNG LAI	USCG
	OTHER VIETNAM, THE	USAID
	*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD	
	HEALTH ORGANIZATION, THE	FS USNMAC
	*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD	
	HEALTH ORGANIZATION, THE (SPANISH)	FS USNMAC
	*PROSPECT OF TURKEY	NATO
	QUIET BATTLE	USAID
	*RELUCTANT WORLD POWER, THE	USDS
	ROAD TO PEACE	USA
	STORY OF GOODWILL, A	USA
	TOWER TO THE SKY	USCG
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	*TRIESTE TO LAMPEDUSA	USECA
	*TWO WORLDS-TWENTY YEARS	NATO
	UNITED STATES AND WESTERN EUROPE, THE	USDS
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	*VERSUS	NATO
	*VITAL OCEAN, THE	NATO
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	*AIR FORCE LEAVE AND PASS POLICIES	USAF
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	*CIVIL DISTURBANCES, PT 2, PLANNING FOR CONTROL	USA
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	*MEETING, THE	USNIMH
	*MILITARY POLICE OPERATION, PT 3 - MILITARY POLICE PATROL INVESTIGATIONS	USA
	*MILITARY POLICE TRAFFIC CONTROL, PT 4 - TRAFFIC CONTROL RECONNAISSANCE	USA
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\* INDICATES NEW ENTRY

## **CIVICS AND GOVERNMENT SECURITY CONTROL – (Continued)**

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- BURGLARY IS YOUR BUSINESS
- CASE OF COMRADE 'T', THE
- CIVIL DISTURBANCES - PRINCIPLES  
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- \*CIVIL DISTURBANCES, PT 2,  
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- CIVILIAN GUARD SERVICES
- CIVILIAN SAILOR - THE STORY OF  
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- SAFEGUARDING MILITARY  
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- SECURITY MAN
- \*THINK LIKE A MOUNTAIN

UNITED NATIONS

**COMBAT BULLETIN NO. 101 - KOREA  
BATTLES FOR TIME  
ROAD TO PEACE  
TOWN MEETING OF THE WORLD  
WORLD AT U N PLAZA, THE**

DENTISTRY

## **ANATOMY AND PHYSIOLOGY**

**ANATOMIC LANDMARKS IN PANOREX  
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**ANATOMY OF THE HEAD AND NECK**

- **MASSETER AND TEMPORAL  
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**ANATOMY OF THE HEAD AND NECK**

- **PTERYGOID MUSCLES AND  
INFRA-PTERYGOID**

**BOUNDARIES OF THE CAROTID  
TRIANGLE**

**DENTAL HEALTH AND ORAL  
HYGIENE**

**LATERAL NECK SUPERFICIAL  
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**LONG CONE TECHNIQUE**

**MANAGEMENT OF THE TUBEROSITY  
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**OSSEOUS SURGERY IN THE  
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USN	DENTAL OFFICE EMERGENCIES, PT 2	U
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USDOD	DENTAL OFFICE EMERGENCIES, PT 4	U
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USDOD	INSTRUMENT EXCHANGE IN FOUR- HANDED DENTISTRY	US
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USDOD		
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\* INDICATES NEW ENTRY

**DENTISTRY**  
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\* INDICATES NEW ENTRY

# DENTISTRY

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OCCCLUSAL ADJUSTMENT, PT 1, CENTRIC		USVA	SEMI-IMMEDIATE ANTERIOR FIXED PARTIAL DENTURE WITH REVERSE PIN FACING IMPRESSION ...	USVA
OCCCLUSAL ADJUSTMENT, PT 2, LATERAL AND PROTRUSIVE EXCURSIONS		USVA	SILICATE CEMENT	USVA
OSSEOUS SURGERY IN THE MAXILLA - SUTURING TECHNIQUES, PT 2		USVA	SURGICAL REDUCTION OF THE MAXILLARY TUBEROSEITY	USVA
OSSEOUS SURGERY IN THE MAXILLA, PT 1		USVA	TEMPORARY PLASTIC BRIDGES	USA
PALATAL FLAP IN PERIODONTICS, THE		USVA	USE OF PRESSURE-INDICATING PASTE DURING THE DELIVERY OF DENTURES	USVA
PEDICLE FLAP FROM EDENTULOUS AREA		USVA		
TREATMENT OF INFRABONY POCKET WITH THREE OSSEOUS WALLS		USVA		

## PROSTHODONTICS

BIOMECHANICAL PRINCIPLES OF FIXED PARTIAL DENTURE PROSTHODONTICS, PT 1		USVA	ANATOMIC LANDMARKS IN PANOREX RADIOPHOTOGRAPHY	USVA
BIOMECHANICAL PRINCIPLES OF FIXED PARTIAL DENTURE PROSTHODONTICS, PT 2		USVA	ANATOMIC LANDMARKS IN PANOREX RADIOPHOTOGRAPHY (REV ED)	USVA

\* INDICATES NEW ENTRY

## RADIOLOGY

LONG CONE TECHNIQUE	
PANOGRAPHIC DIAGNOSTIC	USN

**DENTISTRY**  
**RADIOLOGY - (Continued)**

PATHOLOGY RADIOLUCENCIES, PT 1	USVA	*DENTAL PRACTICE MANAGEMENT DESTROYERMAN EDUCATIONAL OPPORTUNITIES IN THE U S MARINE CORPS	USNMAC USN
PANOGRAPHIC DIAGNOSTIC PATHOLOGY RADIOLUCENCIES, PT 2	USVA	FIRST IN COMMAND - THE NAVY SKIPPER	USMC
PANOGRAPHIC DIAGNOSTIC PATHOLOGY RADIOPACITIES	USVA	*FOREST SERVICE ENGINEER, THE FUNCTIONAL TEACHING IN ELECTRICITY AND ELECTRONICS	USN USDA
PANORAMIC RADIOGRAPHY - OPERATING PROCEDURE FOR PANOUREX	USVA	GOOD PLACE TO START, A	USN
PRINCIPLES OF X-RADIATION	USVA	*GREAT EXPECTATIONS HORIZONS UNLIMITED, PT 1	USCSC USSRS USAEC
<b>EDUCATION</b>			
<b>ADULT EDUCATION</b>			
ADULT EDUCATION	USIA	*HOUSEHOLD APPLIANCE REPAIRMAN HOW ABOUT BILLY WILSON? HOW TO OBSERVE NURSING ACTIVITIES, PT 1	USDLMP USFAA
<b>ART</b>			
CERAMICS IN SPACE	USNASA	*HOW TO OBSERVE NURSING ACTIVITIES, PT 2	USNMAC
MUSEUM OF ART	USIA	*HOW TO SUCCEED WITHOUT REALLY FLYING	USNMAC
*SOME OF OUR VOICES	USIA	I HEAR THE CARPENTER SINGING	USFAA
VISUAL ARTS, THE	USIA	*INDIAN TO INDIAN IT'S YOU AGAINST THE PROBLEM	USIA USDL
*WISHES, LIES AND DREAMS - KENNETH KOCH TEACHING CHILDREN TO WRITE POETRY	USNEA	*JOB STORY *JUNIOR COLLEGE FOR TECHNICAL TRADES	USNASA USDL
<b>CAREERS</b>			
ADVENTURES IN INNER SPACE	USN	*LABOR OF LOVE LANDBASED HELICOPTER OPERATIONS - FUNCTIONS	USDS USIA
*AGRICULTURAL ENGINEERING - THE PROFESSION WITH A FUTURE	USDA	*LOST AND FOUND MAIL DISTRIBUTION CLERK, THE	USN USDL
*AIDES MAKE THE DIFFERENCE	USDHEW	MAIL HANDLER, THE	USPO
AIR FORCE NOW, THE	USAF	*MAN IN GREEN, THE NAVY METEOROLOGY FOR COLLEGE GRADUATES	USPO USDA
*AIR FORCE NOW, THE, NO. 07	USAF	NEVER AMONG STRANGERS	USN
*AIR FORCE NOW, THE, NO. 17	USAF	NEW JOB, THE	USMC
*AIR FORCE NOW, THE, SCRAPBOOK, NO. 9	USAF	NOW SCENE, THE	USIA
AIR FORCE NURSE, THE - A REPORT OF THE PROFESSION	USAF	*NURSING SCENE, THE NURSING SERVICE IN THE NAVY - THE WARD NURSE	USAF USNIMH
AIR FORCE ROTC COMES OF AGE	USAF	*OCS - OFFICER CANDIDATE SCHOOL	USN
AIR FORCE STORY, THE - THE AIR FORCE ACADEMY (VOL 2, CHAP 7)	USAF	OF WINGS AND WOMEN	USAF
AIR TRAFFIC CONTROL PROCEDURES	USAF	*OPPORTUNITIES IN HOTELS AND MOTELS	USDL
AIR UNIVERSITY, THE	USAF	*OUT FROM THE CROWD PATH TO WINGS, A - THE AIR FORCE ROTC FLIGHT INSTRUCTION PROGRAM	USN
AIRPLANE MECHANIC, THE	USOE	PREPARING FOR TOMORROW'S WORLD	USAF
APPRENTICE TRAINING	USIA	RADIO MAN FIGHT, THE	USAEC
ARCHITECTS OF PEACE	USDOD	*RAINBOW VALLEY - THE STORY OF A FOREST RANGER	USN USDA
BENEATH NAVY WINGS	USN	RANGER	USA
BOB CUMMINGS VISITS THE AIR FORCE ACADEMY WITH HIS SON	USAF	*SECTOR BOSS SERVING FOOD	USDA USNMAC
BOB CUMMINGS, JR	USAF	SERVING FOOD (SPANISH)	USNMAC
*BREAKTHROUGH	USDA	*SKILLS FOR PROGRESS	USDL
BRING ME MEN	USAF	*START OF SOMETHING SPECIAL, THE	USN
*BROTHER	USFAA	*STRIDER...A FILM	USN
CADET HONOR CODE, THE	USAF	STUDENT ENGINEER	USIA
CADET WINGS IN CIVIL AIR PATROL	USAF	STUDENT TEACHER	USIA
CAREER DEVELOPMENT	USOE	TAKE THAT FIRST STEP	USNMAC
*CAREER EDUCATION	USOE	TEACHERS AIDS - A NEW OPPORTUNITY	USOE
CAREERS IN OCEANOGRAPHY	USN	*TODAY AND TOMORROW UNIVERSE ON A SCRATCHPAD	USVA
*CHALLENGING CAREERS IN CHEMISTRY	USDA	VETERAN BECOMES A FARMER, THE	USNASA
CHANCE TO BE SOMEBODY, A	USOE	*VETERINARIAN, USDA	USOE
CITY LETTER CARRIER	USPO	VOLUNTEERS FOR HEAD START	USDA
*CODE BLUE	USBHME	WEAPONERS OF THE DEEP	USOE USN
COME SAIL WITH ME	USN		
COMMAND MODULE, THE	USNASA		
CUP O' JOE, A	USN		
DAY WITHOUT END - DUTIES OF A CIVIL DEFENSE DIRECTOR	USOCD		
DAY'S WORK OF A NAVIGATOR AT SEA	USN		
DAY'S WORK OF A NAVIGATOR IN PILOT WATERS	USN		
DECISION FOR LEADERSHIP	USAF		

\* INDICATES NEW ENTRY

## EDUCATION

### CAREERS - (Continued)

WHERE HAVE ALL THE STUDENTS GONE	USIA	*LIGHT FOR DEBRA, A	USBEH
*WHERE I WANT TO BE - THE STORY OF A WOMAN DENTIST WORKING THROUGH COLLEGE YOUR PLACE IN THE NUCLEAR AGE	USDDH USA USAEC	*LOST AND FOUND MEDICAL SCHOOL AND THE COMMUNITY, THE - HOW ARE THEY RELATED MUSEUM OF SCIENCE AND INDUSTRY, THE MUSEUMS FOR SCHOOL CHILDREN	USDL USNMAC
<b>COUNSELING</b>		*NATIONAL ARBORETUM, THE	USDS
*AIDES MAKE THE DIFFERENCE	USDHEW	*OCS - OFFICER CANDIDATE SCHOOL	USA
*BRIAN AT SEVENTEEN	USNIMH	PARENT EDUCATION AT HEIDELBERG	USDA
*JORDON PAUL - ONE TEACHER'S APPROACH	USNIMH USDL	PARTIALLY HEARING, THE PREPARATION OF TEACHERS	USN
*LOST AND FOUND	USNIMH	*RADIATION EFFECTS ON FARM ANIMALS	USBEH
*MR. EDLER'S CLASS - DRUG EDUCATION AT THE ELEMENTARY LEVEL	USA USNIMH	RETURN TO HOLYOKE SMALL TOWN LIBRARY	USBEH
PERFORMANCE COUNSELING	RT	*SOUND DISCRIMINATION OF HEARING IMPAIRED	USDS
*PRINCIPLES OF COUNSELING	USNIMH	SOUND PERCEPTION METHOD, THE	USDA
<b>CURRICULUM</b>		*START OF SOMETHING SPECIAL, THE	USN
AIR UNIVERSITY, THE	USA USAEC	*STRIDER...A FILM	USA
ATOMS FOR THE AMERICAS	USOE	THREE CHEERS ON A JUNE DAY	USN
BIOLOGY PLUS	USBEH	*TO SEEK, TO TEACH, TO HEAL U S NAVAL OBSERVATORY	USNIH
*MONTESSORI ORGANIZING FREE PLAY	USOEO	UNIVERSE ON A SCRATCHPAD	USN
*START OF SOMETHING SPECIAL, THE	USN	VOLUNTEERS FOR HEAD START	USNASA
<b>EARLY CHILDHOOD</b>		WAY OUT OF THE WILDERNESS, A WEST POINT - THE MAKING OF A LEADER	USOEO
HEAD START TO CONFIDENCE	USOE USPOST	WINTERTHUR - ADVENTURE IN THE PAST	USNMAC
*HOW TO ADDRESS A LETTER	USBEH	WORLD IN A SCHOOLROOM	USIA
INDIVIDUAL SPEECH	USDHEW	WORLD WAR I OVERSEAS FLIERS REUNION	USA
*LEARNING TO LEARN IN INFANCY	USOEO		USAF
ORGANIZING FREE PLAY	USOEO		
PARENTS ARE TEACHERS TOO	USOEO		
PATTERNS FOR HEALTH	USNMAC		
PREFACE TO A LIFE	USOEO		
TALKING TOGETHER			
TEACHERS AIDES - A NEW OPPORTUNITY			
<b>EDUCATIONAL INSTITUTIONS</b>			
*AIR FORCE NOW, THE, SCRAPBOOK, NO. 9	USA USAF	*ACOUSTICS OF THE CLASSROOM	USBEH
AIR FORCE STORY, THE - THE AIR FORCE ACADEMY (VOL 2, CHAP 7)	USA USAF	ADULT AS ENABLER, THE	USOE
AIR UNIVERSITY, THE	USAF	AUDITORY ASSESSMENT	USBEH
*BEGINNING, THE - THE RECRUIT BEYOND SILENCE	USMC USIA	*AUDITORY TRAINING	
BOB CUMMINGS VISITS THE AIR FORCE ACADEMY WITH HIS SON BOB CUMMINGS, JR	USAF USIA	DISCRIMINATION	MC
BRIDGE TO TOMORROW	USAF	*AUDITORY TRAINING RHYTHM	MC
BRING ME MEN	USAF	CAPUCHINO STORY, THE	USBEH
CAPUCHINO STORY, THE	USOE	CASE METHOD OF INSTRUCTION,	USOE
CENTERS OF LEARNING	USIA	THE, PT 1	USA
COLLEGE OF AFRICAN WILDLIFE	USIA	CASE METHOD OF INSTRUCTION,	USA
COMPANY OF SCHOLARS, A	USIA	THE, PT 2	USA
ELEMENTARY EDUCATION	USBEH	CASE METHOD OF INSTRUCTION,	USA
ENGLISH HIGH SCHOOL, AN	USBEH	THE, PT 3	USOE
*ENVIRONMENT FOR EDUCATION	USDCPA	CHANCE TO BE SOMEBODY, A	USBEH
*ENVIRONMENTAL SCHOOL, THE	USDA	*CHART STORY, A	MC
*FOREST IN A MUSEUM	USDA	COMMUNICATION THEORY AND THE	USOE
FREEDOM TO LEARN	USOWIO	NEW EDUCATIONAL MEDIA--A	USBEH
HAIL, ALMA MATER	USA	SERIES	USDA
HARVEST OF LEARNING	USIA	*CONSERVATION VISTAS	USIA
*HELPING TEACHERS TO UNDERSTAND CHILDREN, PT 1	USIA	DESIGN FOR GROWING	USBEH
*HELPING TEACHERS TO UNDERSTAND CHILDREN, PT 2	USIA	*DIAGNOSIS TECHNIQUES	MC
INDIVIDUAL SPEECH	USBEH	*DIAGNOSTIC TECHNIQUES	USBEH
*ISLANDS OF GREEN	USDA	*DURATION - 1	USBEH
*JUNIOR COLLEGE FOR TECHNICAL TRADES	USDS	*DURATION - 2	USBEH
		*DURATION - 3	USBEH
		*EDUCATIONAL DIAGNOSIS	USBEH
		*EDUCATIONAL DIAGNOSIS	MC
		*EDUCATIONAL TECHNOLOGY	USBEH
		*EDUCATIONAL TECHNOLOGY	MC
		EIGHT-MM FILM, THE - ITS	USBEH
		EMERGING ROLE IN EDUCATION	USOE
		EIGHTH GRADE MATHEMATICS	USOE
		*ENVIRONMENTAL SCHOOL, THE	USDA
		FIFTH GRADE GEOGRAPHY	USOE
		*FILM TACTICS	USN
		FIRST GRADE READING	USOE

\* INDICATES NEW ENTRY

**EDUCATION**
**INSTRUCTIONAL TECHNIQUES - (Continued)**

FIRST GRADE READING (SPANISH)	USOE	*SH - 03, PT 03	USBEH
FOURTH GRADE VOCABULARY	USOE	*SH - 04	USBEH
FOURTH GRADE VOCABULARY (SPANISH)	USOE	*SH - 05	USBEH
FUNCTIONAL TEACHING IN ELECTRICITY AND ELECTRONICS	USN	*SH - 06	USBEH
*GENERAL SPEECH PATTERNS1	USBEH	*SH - 07	USBEH
*GENERAL SPEECH PATTERNS2	USBEH	*SH - 08	USBEH
HOME-SCHOOL INTER ACTION	USOE	*SH - 09	USBEH
*HOW TO OPERATE THE ARMY 16MM PROJECTOR SET	USA	*SH - 10	USBEH
IN THE NATIONAL INTEREST: INSTRUCTIONAL TELEVISION AT PENNSYLVANIA STATE UNIVERSITY	USOE	SOLVING VERBAL PROBLEMS IN MATHEMATICS	USOE
*INTRODUCTION - 1	USBEH	SOME GLIMPSES OF ANTHONY	USOE
*INTRODUCTION - 2, PT 1	USBEH	SOUND PERCEPTION METHOD, THE	USBEH
*INTRODUCTION - 2, PT 2	USBEH	SPACE TO GROW, A	USOEO
*INTRODUCTION - 2, PT 3	USBEH	*SPEECH KIT - 1	USBEH
*IT WON'T BE EASY	USOE	*SPEECH KIT - 2	USBEH
*LEARNING TO LEARN IN INFANCY	USDHEW	*SPEECH KIT - 3	USBEH
*LEARNING TO SPEAK, PT 1	USDHEW	SPEECH TECHNIQUES	USA
*LEARNING TO SPEAK, PT 2	USBEH	STAGES OF INSTRUCTION, THE - APPLICATION, EXAMINATION, AND REVIEW OF CRITIQUE	USA
LIGHT FROM A BLACK BOX	USOE	STAGES OF INSTRUCTION, THE - PREPARATION	USA
*LOUDNESS - 1	USBEH	STAGES OF INSTRUCTION, THE - PRESENTATION	USA
*LOUDNESS - 2	USBEH	*STORY-TELLING	USBEH
*LOUDNESS - 3	USBEH	*STORY-TELLING	USBEH
MATHEMATICS - UNENDING SEARCH FOR EXCELLENCE	MC	TALKING TOGETHER	USOEO
*MICROPHONE TECHNIQUES	USOE	TEACHER AND TECHNOLOGY, THE	USOE
NEW EYES AND NEW EARS	USBEH	*TEACHER TALKS TO ME	MC
OPERATIONS WITH WHOLE NUMBERS	USA	TEACHER-DIRECTED TELEVISION INSTRUCTION	USBEH
ORGANIZING FREE PLAY	USOE	TEACHING BOX, THE	USOE
PARENT EDUCATION	USOE	TEACHING BY GUIDED DISCUSSION	USIA
PARENT EDUCATION AT HEIDELBERG	USBEH	TEACHING MACHINES AND PROGRAMMED LEARNING	USAF
PARENTS ARE TEACHERS TOO	USBEH	TEACHING MACHINES AND SIDNEY PRESEY	USOE
*PITCH - 1	USOE	*TEAM ANALYSIS AND PLANNING	USOE
*PITCH - 2	USBEH	*TEAMS FOR LEARNING	USOE
*PITCH - 3	USBEH	*TEAMS FOR LEARNING--A SERIES	UOE
*PITCH - 4	USBEH	*TECHNIQUES OF SPEECH CORRECTION	USBEH
*PITCH - 5	USBEH	*TECHNIQUES OF SPEECH CORRECTION	USBEH
POINT OF VIEW	USOE	TELEVISION, A TEACHING ASSISTANCE, PRESENTING PATTERNS OF INTER- INSTITUTIONAL AND...	MC
PRACTICING MATHEMATICAL SKILLS	USOE	*THAT JOB INTERVIEW	USOE
PREPARATION OF TEACHERS	USDS	THIRD GRADE SCIENCE	USDL
*PRESCHOOL LESSON IN CUED SPEECH, A	USBEH	THIRD GRADE SCIENCE (SPANISH)	USOE
*PRESCHOOL LESSON IN CUED SPEECH, A	MC	TO SPEAK WITH FRIENDS	USOE
PRINCIPLES OF LEARNING	USBEH	TRAINING AIDS	USA
PROBING MIND	USA	TRAINING AIDS - CLASSROOM UTILIZATION	USN
*PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1	USOE	TRAINING AIDS - SELECTION AND PLANNING	USN
*PROBLEMS IN SELF-HELP TASK PERFORMANCE, PT 2	USOE	USE OF THE PROBLEM IN TEACHING	USAF
PROCESS OF COMMUNICATION, THE PROCESS OF COMMUNICATION, THE (SPANISH)	USOE	USING VISUAL AIDS IN TRAINING	USOE
PROGRAMMED INSTRUCTION - THE DEVELOPMENT PROCESS	USOE	*VARIOUS PERCEPTIONS OF AUXILIARIES AT WORK	USOE
PROGRAMMED INSTRUCTION - THE DEVELOPMENT PHOCESS (SPANISH)	USOE	*WISHES, LIES AND DREAMS - KENNETH KOCH TEACHING CHILDREN TO WRITE POETRY	USNEA
PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE-A SERIES	USOE	WORLD IN A SCHOOLROOM	USA
PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE-A SERIES (SPANISH)	USOE	*YOU ARE WELCOME - 1	USBEH
PROGRAMMED LEARNING IN THE UNITED STATES AIR FORCE	USAF	*YOU ARE WELCOME - 2	USBEH
*PROJECT SPOT--A SERIES SCIENCE THROUGH DISCOVERY	USBEH	*YOU ARE WELCOME - 3	USBEH
*SH - 01	USOE	*YOU ARE WELCOME - 4	USBEH
*SH - 02	USBEH	*YOU ARE WELCOME - 5	USBEH
*SH - 03, PT 01	USBEH	*YOU ARE WELCOME - 6	USBEH
*SH - 03, PT 02	USBEH	<b>LEARNING AND COGNITION</b>	
		*LEARNING TO LEARN IN INFANCY	USDHEW
		PARENTS ARE TEACHERS TOO	USOEO
		PERCEPTION AND COMMUNICATION	USOE

\* INDICATES NEW ENTRY

## EDUCATION

### LEARNING AND COGNITION – (Continued)

PRINCIPLES OF LEARNING	USA	DIGITAL COMPUTER TECHNIQUE -	USN
TALKING TOGETHER	USOE	COMPUTER LOGIC SYMBOLITY	
*WHAT IS TEACHING - WHAT IS		DIGITAL COMPUTER TECHNIQUE -	
LEARNING	USNIMH	COMPUTER UNITS	USN
<b>LIBRARY SCIENCE</b>		EIGHTH GRADE MATHEMATICS	USOE
AIR FORCE TECHNICAL ORDER	USAF	*FACT FINDERS, THE	USDA
SYSTEM, THE		INTRODUCTION TO VECTORS -	
*AUDIO AID ON OSHA	RT	COPLANAR CONCURRENT FORCES	USOE
RECORDKEEPING, AN	FS	MATHEMATICS - UNENDING SEARCH	
ERIC - SERIES	USOSHA	FOR EXCELLENCE	USOE
ERIC ADVANCED TRAINING	USFDA	MATHEMATICS THROUGH	
PROGRAM	FS	DISCOVERY	USOE
FOR ALL THE PEOPLE - THE HARRY	USNLT	MODERN GEODETIC SURVEYING	USN
S TRUMAN LIBRARY	USIA	OPERATIONS WITH WHOLE	
*GREATEST TREASURE, THE	FS	NUMBERS	USOE
INTRODUCTION TO ERIC	USOE	PERIODIC FUNCTIONS	USN
LIBRARIES WITHOUT BARS	USA	POWERS OF TEN - DECIMAL	
MEDLARS	USNMAC	C .NVERSION AND	
NATIONAL LIBRARY OF MEDICINE	USNMAC	MULTIPLICATION	USAF
NEW EYES AND NEW EARS	USA	POWERS OF TEN - DIVISION AND	
SMALL TOWN LIBRARY	USA	PREFIXES	USAF
<b>MASS MEDIA</b>		PRACTICING MATHEMATICAL SKILLS	USOE
BOOKS FOR EVERYONE	USA	PRINCIPLE OF MOMENTS	USOE
BOOKS FOR EVERYONE	USIA	RECTANGULAR COORDINATES	USN
COMMUNICATION CONFERENCE	USOE	RESPONSE TO MECHANICAL SHOCK	USAEC
COMMUNICATION THEORY AND THE		SIMPLE EQUATIONS	USAF
NEW EDUCATIONAL MEDIA--A	USOE	SIMPLE EQUATIONS - FRACTIONS	USAF
SERIES		SLIDE RULE, THE - 'C' AND 'D'	
COMMUNICATIONS REVOLUTION,	USOE	SCALES	USOE
THE		SLIDE RULE, THE - PROPORTION,	
*CREATIVITY	USDA	PERCENTAGE, SQUARES, AND	
*DR. DIAL - A GROUP	RT	SQUARE ROOTS	USOE
*DR. DIAL - A GROUP	USDH	SOLVING VERBAL PROBLEMS IN	
EIGHT-MM FILM, THE - ITS	USDH	MATHEMATICS	USOE
EMERGING ROLE IN EDUCATION	USOE	U S NAVAL OBSERVATORY	USN
FREEDOM OF THE PRESS	USA	USING A MATHEMATICS	
FREEDOM TO LEARN	USOWIO	LABORATORY APPROACH	USOE
INDEPENDENT COMMERCIAL RADIO		USING DIAGNOSIS IN A	
STATION	USDA	MATHEMATICS CLASSROOM	USOE
INFORMATION EXPLOSION, THE	USOE	VECTORS	USN
INSTRUCTIONAL TELEVISION AT			
PENNSYLVANIA STATE UNIVERSITY	USOE	<b>PSYCHOLOGY</b>	
MATHEMATICS - UNENDING SEARCH		FOUR CHILDREN	USOE
FOR EXCELLENCE	USOE		
*NEWS STORY, A	USNIMH	<b>SPECIAL EDUCATION</b>	
ORIGINS OF THE MOTION PICTURE	USN	*AUDITORY FEEDBACK	MC
PERCEPTION AND COMMUNICATION	USOE	*AUDITORY TRAINING	USBEH
PROBING LIND	USOE	DISCRIMINATION	MC
PROCESS OF COMMUNICATION, THE	USOE	*AUDITORY TRAINING RHYTHM	MC
PROCESS OF COMMUNICATION, THE	USOE	*CHART STORY, A	MC
(SPANISH)	USOE	*COGNITIVE DEVELOPMENT	MC
SMALL TOWN EDITOR	USIA	*COGNITIVE DEVELOPMENT	MC
TEACHER-DIRECTED TELEVISION	USOE	*COLLEGE CLASS, A -	
INSTRUCTION		SIMULTANEOUS COMMUNICATION	USBEH
TELEVISION, A TEACHING	USOE	*COLLEGE CLASS, A -	
ASSISTANCE, PRESENTING		SIMULTANEOUS COMMUNICATION	USBEH
PATTERNS OF INTER-	USOE	*COLORS - 1	USBEH
INSTITUTIONAL AND...	USA	*COLORS - 2	USBEH
TO SPEAK WITH FRIENDS	USOE	*COLORS - 3	USBEH
TRAINING AIDS	USA	*COLORS - 4	USBEH
*TRAINING AIDS - CLASSROOM	USN	CONNECTICUT, THE TURNING POINT	USIA
UTILIZATION		DEAF-BLIND, THE	USBEH
TRAINING AIDS - SELECTION AND	USN	*DEVELOPING IMAGINATION	MC
PLANNING	USIA	*DEVELOPMENTAL AUDITORY	USBEH
*WINTERS EXPRESS		RESPONSE PATTERNS, PTS 1 AND	
		2	USBEH
<b>MATHEMATICS</b>		*EDUCATIONAL DIAGNOSIS	MC
DESCRIPTIVE GEOMETRY - FINDING	USN	*EDUCATIONAL DIAGNOSIS	USBEH
THE LINE OF INTERSECTION OF		*EDUCATIONAL TECHNOLOGY	USBEH
TWO SOLIDS	USN	*EDUCATIONAL TECHNOLOGY	MC
DIGITAL COMPUTER TECHNIQUE -		*EXPANDING LANGUAGE	USBEH
COMPUTER LOGIC	USN	FOUNDATION FOR GROWTH	USBEH
		*GENERALIZATION OF INFORMATION	MC
		*I WANNA KNOW	MC

\* INDICATES NEW ENTRY



## **EDUCATION**

*INCIDENTAL CORRECTION OF SPEECH	MC	USBEH	EXPLORATION AT BOULDER	USNBS
*LEARNING TO SPEAK, PT 1		USDHEW	*MONTESSORI	USBEH
*LEARNING TO SPEAK, PT 2		USBEH	PANCHO	USOE
*LIGHT FOR DEBRA, A LIGHT FROM A BLACK BOX		USBEH	PERCEPTION AND COMMUNICATION	USOE
*LINGUISTIC ANALYSIS		USOE	STAGES OF INSTRUCTION, THE - PRESENTATION	USA
*MONTESSORI	MC	USBEH	TEACHER AND TECHNOLOGY, THE	USOE
MY CHILD IS BLIND		USBEH	UNIVERSE ON A SCRATCHPAD	USNASA
PARENT EDUCATION AT HEIDELBERG		USA	YOUR PLACE IN THE NUCLEAR AGE	USAEC
*PARENTS EDUCATION PROGRAMS		USBEH		
*PET PEEVES	MC	USDHEW		
*PITCH	MC	USBEH		
*PLANNING FOR THE EVALUATION OF SPECIAL EDUCATION PROGRAMS	SL	USOE	<b>ELECTRICITY</b>	
*PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1		USOE	<b>CIRCUIT</b>	
*PROBLEMS OF SELF-HELP TASK PERFORMANCE, PT 2		USOE	CONTROL TRANSFORMER	USAF
*SAY IT WITH HANDS--A SERIES		USBEH	DC CIRCUIT PARAMETERS	USAF
*SELF MONITORING PRACTICE	MC	USBEH	DC SERIES RESISTIVE CIRCUITS	USAF
*SIMPLIFICATION OF TRANSFORMATIONS	MC	USBEH	PARALLEL RC, RL, AND RCL CIRCUITS (TRIGONOMETRIC SOLUTIONS)	USAF
*SPEECH - UPPER GRADE LEVEL	MC	USBEH	PARALLEL RC, RL, AND RCL CIRCUITS (GRAPHIC SOLUTIONS)	USAF
*SPEECH - UPPER GRADE LEVEL SPEECH READING	MC	USBEH	PARALLEL RESISTIVE CIRCUITS	USAF
*USE OF OVERHEAD PROJECTOR	MC	USBEH	PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF
*VOCAL APPROACH	MC	USBEH	PARALLEL RESISTIVE CIRCUITS - PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF
<b>TEACHER AND TEACHING</b>		USOE	PARALLEL RESISTIVE CIRCUITS - DC POWER	USAF
CAPUCHINO STORY, THE CASE METHOD OF INSTRUCTION, THE, PT 1		USA	PARALLEL RESISTIVE CIRCUITS - TROUBLESHOOTING	USAF
CASE METHOD OF INSTRUCTION, THE, PT 2		USA	RESISTIVE BRIDGE CIRCUITS	USAF
HEAD START TO CONFIDENCE MATHEMATICS THROUGH DISCOVERY		USOEO	SERIES AND PARALLEL CIRCUITS	USN
PREPARATION OF TEACHERS		USOE	SERIES RESISTIVE CIRCUITS - DC POWER	USAF
*PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1		USDS	SERIES-PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF
*PROBLEMS IN SELF-HELP TASK PERFORMANCE, PT 2		USOE	SINGLE-PHASE AND POLYPHASE CIRCUITS	USAF
PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE-A SERIES		USOE		USOE
PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE-A SERIES (SPANISH)		USOE	<b>EQUIPMENT.</b>	
STAGES OF INSTRUCTION, THE - APPLICATION, EXAMINATION, AND REVIEW OR CRITIQUE		USA	AC GENERATORS	USAF
TEACHER AND TECHNOLOGY, THE TEACHERS AIDS - A NEW OPPORTUNITY		USOE	ACROSS-THE-LINE STARTERS	USOE
*WHAT IS TEACHING - WHAT IS LEARNING		USOEO	DIRECT CURRENT GENERATORS	USAF
		USNIMH	ELECTRIC PROPULSION	USNASA
			ELECTRICAL CIRCUIT FAULTS	USOE
			INTRODUCTION TO SYNCHROS	USAF
			RELAYS	USAF
			REPULSION-INDUCTION MOTOR - GENERAL OVERHAUL	USOE
			SERVO ANALYSIS	USAF
			*SPARK ARRESTER INSPECTION	USDA
			SPLIT-PHASE MOTOR - REWINDING	USOE
			SPLIT-PHASE MOTOR PRINCIPLES	USOE
			SPLIT-PHASE MOTOR PRINCIPLES (SPANISH)	USOE
			SQUIRREL-CAGE ROTOR PRINCIPLES	USOE
			SYNCHRO SYSTEMS, PT I	USOE
			SYNCHRO SYSTEMS, PT II	USM
			THREE-PHASE MOTOR, PT 1, PREPARING TO REWIND	USN
			THREE-PHASE MOTOR, PT 2, REWINDING	USN
			TRANSFORMERS	USOE
			USE OF AMMETER	USAF
			USE OF OHMMETER	USAF
			USE OF VOLTMETER	USAF
			VIBRATORS	USAF
			VOLTAGE DIVIDERS	USAF
<b>TECHNOLOGY</b>			<b>MAGNETISM</b>	
*AGRICULTURAL ENGINEERING - THE PROFESSION WITH A FUTURE		USDA	AIRCRAFT ENGINES - ELEMENTS OF ELECTRICITY AS APPLIED TO	
AIR UNIVERSITY, THE		USAF	IGNITION SYSTEMS	
ATOMS FOR PEACE, PT 6, TRAINING MEN FOR THE ATOMIC AGE		USIA	ELECTROMAGNETISM	
ATOMS FOR THE AMERICAS		USAEC		
*BETTER LIVING THROUGH RESEARCH		USDA		
*BREAKTHROUGH		USDA		
*COACHING ON THE JOB		USDA		
COMMUNICATION THEORY AND THE NEW EDUCATIONAL MEDIA-A SERIES		USOE		
*EDUCATIONAL TECHNOLOGY	MC	USBEH		
*EDUCATIONAL TECHNOLOGY		USBEH		

\* INDICATES NEW ENTRY

## **ELECTRICITY MAGNETISM - (Continued)**

ELECTROMAGNETS	USN	PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF
HOW MAGNETS PRODUCE ELECTRICITY	USN	PARALLEL RESISTIVE CIRCUITS - DC POWER	USAF
ROTATING MAGNETIC FIELDS	USOE	PARALLEL RESISTIVE CIRCUITS - TROUBLESHOOTING	USAF
SQUIRREL-CAGE ROTOR PRINCIPLES	USOE	REDUCED VOLTAGE STARTERS	USOE
<b>MOTOR</b>		RESISTIVE BRIDGE CIRCUITS	USAF
ACROSS-THE-LINE STARTERS	USOE	ROTATING MAGNETIC FIELDS	USOE
DC MOTOR, PT 1, MECHANICAL OVERHAUL	USOE	SERIES AND PARALLEL CIRCUITS	USN
DC MOTOR, PT 2, REWINDING	USOE	SERIES RESISTIVE CIRCUITS - DC POWER	USAF
DC MOTORS	USAF	SERIES-PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF
DIRECT CURRENT CONTROLLERS	USOE	SINGLE-PHASE AND POLYPHASE CIRCUITS	USAF
DIRECT CURRENT MOTORS - THEORY OF OPERATION	USN	THEORY OF THE LEAD-ACID STORAGE BATTERY	USOE
MOTORS AND GENERATORS, PT 1, DC MOTORS AND GENERATORS	USA	VOLTAGE DOUBLER	USN
MOTORS AND GENERATORS, PT 2 - AC MOTORS AND GENERATORS	USA	VOLTAIC CELL, DRY CELL, AND STORAGE BATTERY	USAF
REPULSION-INDUCTION MOTOR - GENERAL OVERHAUL	USOE	WHAT CAUSES CURRENT FLOW - EMF	USA
SPLIT-PHASE MOTOR - REWINDING	USOE	WHAT CONTROLS CURRENT FLOW - RESISTANCE	USN
SPLIT-PHASE MOTOR PRINCIPLES (SPANISH)	USOE	WIRE SIZES AND VOLTAGE DROP	USN
WOUND ROTOR CONTROLLERS	USOE	WOUND ROTOR CONTROLLERS	USOE
<b>THEORY</b>		<b>ELECTRONICS</b>	
ACROSS-THE-LINE STARTERS	USOE	<b>AMPLIFIER</b>	
AMPERES, VOLTS, AND OHMS	USN	AMPLIFIER DISTORTION	USAF
BASIC CIRCUIT SYMBOLS AND COMPONENTS	USAF	AMPLIFIER PRINCIPLES	USAF
BASIC DC METER MOVEMENT	USN	AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 1	USAF
BASIC ELECTRICITY	USAF	AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 2	USAF
BASIC ELECTRICITY - AC PARALLEL CIRCUITS	USN	AMPLIFIER PRINCIPLES - COUPLING, PT 1	USAF
BASIC ELECTRICITY - AC SERIES CIRCUITS	USN	AMPLIFIER PRINCIPLES - COUPLING, PT 2	USAF
BASIC ELECTRICITY - CAPACITANCE IN AC CIRCUITS	USN	AUDIO AMPLIFIERS	USAF
BASIC ELECTRICITY - INDUCTANCE IN AC CIRCUITS	USN	AUDIO AMPLIFIERS PRINCIPLES, PT 1	USAF
BASIC TURBINE THEORY	USN	AUDIO AMPLIFIERS PRINCIPLES, PT 2	USAF
CAPACITANCE	USN	ELECTRON COUPLED OSCILLATOR	USAF
CHARGING STORAGE BATTERIES	USA	FEED BACK	USAF
CONTROL TRANSFORMER	USAF	FULL-WAVE MAGNETIC AMPLIFIER	USAF
CURRENT AND ELECTROMOTIVE FORCE	USN	PUSH-PULL AMPLIFIER	USAF
CURRENT FLOW, WHAT IT IS	USN	PUSH-PULL AMPLIFIER	USAF
DC CIRCUIT PARAMETERS	USAF	RF AND IF AMPLIFIERS, PT 1	USAF
DC SERIES RESISTIVE CIRCUITS	USAF	TRANSISTORS - HIGH FREQUENCY OPERATION - AMPLIFIERS AND OSCILLATORS	USN
DEFINITION AND ANALYSIS OF ALTERNATING CURRENT	USAF	TRANSISTORS - LOW FREQUENCY AMPLIFIERS	USN
DIRECT CURRENT GENERATORS - THEORY OF OPERATION	USN	TRANSISTORS, PT 5, TRANSISTOR AMPLIFIER AND OSCILLATOR CIRCUITS	USA
DIRECT CURRENT MOTORS - THEORY OF OPERATION	USN	TRAVELING WAVE TUBE TRIODE, THE - AMPLIFICATION	USAF
EFFECTS OF THE IONOSPHERE ON RADIO WAVE PROPAGATION, THE ELEMENTS OF ELECTRICITY	USA	VIDEO AMPLIFIER	USOE
MOISTURE PROOFING ELECTRICAL AND TYPE CONNECTORS	USA	VIDEO AMPLIFIERS	USAF
MOTORS AND GENERATORS, PT 1, DC MOTORS AND GENERATORS	USA	<b>COMMUNICATION</b>	
MOTORS AND GENERATORS, PT 2 - AC MOTORS AND GENERATORS	USA	AN/TCC-7 SYSTEM, PT 2, INITIAL ADJUSTMENTS OF CARRIER	USA
OHM'S LAW	USAF	TELEPHONE TERMINAL	USAF
PARALLEL RC, RL, AND RCL CIRCUITS (TRIGONOMETRIC SOLUTIONS)	USAF	ARMY RESEARCH AND DEVELOPMENT - PROGRESS REPORT 8	USA
PARALLEL RC, RL, AND RCL CIRCUITS (GRAPHIC SOLUTIONS)	USAF	AUDIO OSCILLATOR OPERATION	USA
PARALLEL RESISTIVE CIRCUITS	USAF	*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 1, STRONGER-TYPE SWITCHING SYSTEMS	USN
PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS	USAF	*AUTOMATIC TELEPHONE CENTRAL	USA

\* INDICATES NEW ENTRY

**ELECTRONICS  
COMMUNICATION - (Continued)**

OFFICES, PT 2, XY SWITCHING SYSTEMS	USA	OPEN WIRE TRANSPOSITION SYSTEMS	USA
AUTOMATIC VOICE NETWORK - AUTOVON	USA	PERCENTAGE OF MODULATION	USAF
BALANCED MODULATOR AND CRYSTAL FILTERS	USAF	PM-1 NUCLEAR POWER PLANT	USAEC
*BASIC RADIO PROCEDURES FOR PILOTS	USFAA	POLE LINE CONSTRUCTION, PT 3, ERECTING POLES AND ATTACHING CROSSARMS	USA
BASIC TELEPHONY	USA	PULSE MODULATION	USAF
BRIDGE RECTIFIERS	USAF	*RADIO INTERFERENCE FROM RURAL POWER LINES	USDA
CIRCUIT TESTING WITH METERS AND MULTIMETERS, PART II, - PRACTICAL APPLICATION	USA	RADIO MAN FIGHT, THE	USN
*COMMUNICATION CENTER	USA	RADIO SETS AN/GRC 3, 4, 5, 6, 7, AND 8	USA
PROCEDURE FOR CORPS AND LOWER HEADQUARTERS, PT 1, OUTGOING ...	USA	RADIO SHOP TECHNIQUES	USN
COMMUNICATION CENTER	USA	REACTANCE TUBE MODULATOR	USAF
PROCEDURE, PT 2, INCOMING MESSAGES	USA	RECEIVER ALIGNMENT	USAF
COMPOSITION OF AN AM WAVE	USAF	REINS OF COMMAND, THE - AIR FORCE COMMUNICATIONS SERVICE	USAF
DEW LINES	USAF	*REPORT ON RURAL TELEPHONE SERVICE	USDA
DIODE AND CRYSTAL DETECTORS	USAF	RHYTHM, SPEED, AND ACCURACY IN HAND SENDING	USN
DISASTER FEEDING	USA	SIGNAL GENERATOR OPERATION	USN
ELECTROMAGNETIC INTERFERENCE ASHORE	USN	TRANSISTOR FM DETECTOR	USAF
ELECTRONIC FUNCTIONAL MODULES	USN	TRANSISTOR FM OSCILLATOR	USAF
ELECTRONICS - SPECIAL CIRCUITS AND DEVICES - WAVEGUIDES	USN	TRANSMISSION SECURITY	USN
ELECTRONICS - SPECIAL CIRCUITS AND DEVICES - TRIGGERED BLOCKING OSCILLATOR CIRCUIT	USN	TRAPEZOIDAL SWEEP GENERATOR - TSTR	USAF
ENVIRONMENTAL FACTORS AFFECTING RELIABILITY OF ELECTRONIC EQUIPMENT	USN	TRAPEZOIDAL SWEEP GENERATOR - VT	USAF
FREQUENCY MODULATION, PT 1, BASIC PRINCIPLES	USN	TT-47/UG TELETYPEWRITER - GENERAL PRINCIPLES AND OPERATION	USN
FUNDAMENTALS OF CARRIER TELEPHONY, PT 1 OPERATION OF A CARRIER SYSTEM	USA	TT-47/UG TELETYPEWRITER - PREVENTIVE MAINTENANCE	USN
FUNDAMENTALS OF CARRIER TELEPHONY, PT 2, TERMINALS AND REPEATERS	USA	TUBE TESTER OPERATION	USN
INDEPENDENT COMMERCIAL RADIO STATION	USDA	<b>EQUIPMENT</b>	
INTRODUCTION TO AMPLITUDE MODULATION	USAF	AN/TPS-25 GROUND SURVEILLANCE RADAR, THE	USA
INTRODUCTION TO DETECTION	USAF	AN/TPS-25 GROUND SURVEILLANCE RADAR, THE - MOVING TARGET	USA
INTRODUCTION TO NAS (NATIONAL AIRSPACE SYSTEM) EN ROUTE STAGE A	USFAA	DETECTION	USA
INTRODUCTION TO RECEIVERS	USAF	*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 1, STRONGER-TYPE SWITCHING SYSTEMS	USA
INTRODUCTION TO SINGLE SIDEBAND	USAF	*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 2, XY SWITCHING SYSTEMS	USA
INTRODUCTION TO UNDERWATER SOUND	USN	DIRECTIONAL ANTENNAS	USAF
LINE-UP PROCEDURES FOR TACTICAL TELEGRAPH CARRIER EQUIPMENT	USN	DIRECTIONAL COUPLER	USAF
LORAN DUTY - A CHALLENGE	USA	LINE-UP PROCEDURES FOR TACTICAL TELEGRAPH CARRIER EQUIPMENT	USA
LUBRICATION OF ELECTRONIC EQUIPMENT	USCG	RADAR SET AN/PPS-5 - OPERATION AND MANPACKING	USA
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - AUTOMATIC TYPE SELECTING...	USN	RADIO ANTENNAS - CREATION AND BEHAVIOR OF RADIO WAVES	USAF
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - FUNCTION MECHANISM	USN	RADIO RELAY EQUIPMENT AN/TRC-35 AND -36, PART IV - SYSTEM LINEUP PROCEDURES	USA
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - KEYBOARD TRANSMITTING MECHANISM	USN	RECEIVER TROUBLESHOOTING PROCEDURE	USAF
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER-TYPE BOX POSITIONING MECHANISM	USN	<b>MAGNETISM</b>	
	USN	MAGNETIC CORES, PT 1, PROPERTIES	USA
	USN	MAGNETIC CORES, PT 2, BASIC CIRCUITS	USA
	USN	MAGNETISM, PT B	USAF
	USN	MAGNETRON	USAF
	USN	RADIO ANTENNAS - CREATION AND BEHAVIOR OF RADIO WAVES	USAF

\* INDICATES NEW ENTRY

**ELECTRONICS**  
**PRINCIPLE - (Continued)**

**PRINCIPLE**

AMPLIFIER PRINCIPLES	USAF	FULL-WAVE RECTIFIERS - VACUUM TUBE	USAF
AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 1	USAF	GAS TUBES	USAF
AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 2	USAF	GRID LIMITER	USAF
AMPLIFIER PRINCIPLES - COUPLING, PT 1	USAF	INTERMITTENT TRANSISTOR SAWTOOTH GENERATOR	USAF
AMPLIFIER PRINCIPLES - COUPLING, PT 2	USAF	INTRODUCTION TO HETERODYNING	USAF
AUDIO AMPLIFIERS	USAF	KLYSTRONS	USAF
AUDIO AMPLIFIERS PRINCIPLES, PT 1	USAF	*MAINTAINING GOOD VOLTAGE ON RURAL DISTRIBUTION LINES	USDA
AUDIO AMPLIFIERS PRINCIPLES, PT 2	USAF	MICROWAVE OSCILLATORS, PT 1, REFLEX KLYSTRONS	USA
DIODE, THE - PRINCIPLES AND APPLICATIONS	USOE	*ORIENTATION, THE TRUE FADE SYSTEM	USN
ELECTRONIC VOLTAGE REGULATORS	USAF	PENTODE CRYSTAL OSCILLATOR	USAF
ELECTROSTATIC PRINCIPLES - ATOMIC STRUCTURE OF MATTER	USAF	PENTODES AND PENTAGRID	USAF
ELECTROSTATIC PRINCIPLES - CHARGED BODIES	USAF	PHANTASTRON	USAF
ELECTROSTATIC PRINCIPLES - CONDUCTORS AND INSULATORS	USAF	PHASE SHIFT OSCILLATOR - VT	USAF
INDUCTANCE	USAF	PLATE DETECTOR	USAF
OHM'S LAW	USAF	PLATE-COUPLED MULTIVIBRATOR - VT	USAF
OSCILLATORS	USAF	*POWER AND THE LAND RADAR SET AN/PPS-5 - OPERATION AND MANPACKING	USA
PHASE SHIFT OSCILLATOR - VT	USAF	*RADIO INTERFERENCE FROM RURAL POWER LINES	USDA
REACTANCE TUBE MODULATOR	USAF	RADIO RELAY EQUIPMENT AN/TRC-35 AND -36, PART IV - SYSTEM	USA
SOLID STATE PRINCIPLES	USAF	LINEUP PROCEDURES	USAF
TT-47/UG TELETYPEWRITER - GENERAL PRINCIPLES AND OPERATION	USN	RADIO SETS AN/GRC 3, 4, 5, 6, 7, AND 8	USA
<b>SYSTEM</b>		RC TRANSIENTS	USAF
AMPLIFIER DISTORTION	USAF	RCL	USN
AN/TPS-25 GROUND SURVEILLANCE RADAR, THE	USA	SERIES RCL QUALITY AND SELECTIVITY	USAF
AN/TPS-25 GROUND SURVEILLANCE RADAR, THE - MOVING TARGET DETECTION	USA	SHOCK EXCITED OSCILLATOR	USAF
ANTENNA MATCHING DEVICES	USAF	SHUNT HARTLEY OSCILLATOR - VT	USAF
ANTENNAS	USAF	SYNCHROSCOPE	USAF
BALANCED MODULATOR AND CRYSTAL FILTERS	USAF	THYRATRON SAWTOOTH GENERATOR	USAF
CATHODE FOLLOWER	USAF	TUNED PLATE OSCILLATOR	USAF
CATHODE RAY TUBE, THE - HOW IT WORKS	USN	USE OF THE OSCILLOSCOPE	USAF
CAVITY RESONATORS	USAF	USES OF RESONANT SECTIONS	USAF
DIGITAL COMPUTER TECHNIQUES - LOGIC ELEMENT CIRCUITS	USN	VACUUM TUBES - RIAS IN TRIODES	USAF
DIODE TUBES - EMISSION AND SPACE CHARGE	USAF	WAVEGUIDE PLUMBING	USAF
DIODES AND RECTIFIER CIRCUITS - FULL-WAVE RECTIFIERS	USAF	WAVEGUIDES	USAF
DIRECTIONAL ANTENNAS	USAF	X-RAY INSPECTION	USOE
DIRECTIONAL COUPLER	USAF	<b>THEORY</b>	
ELECTRONIC ROUTE SYSTEM	USFHTWA	ANTENNA MATCHING DEVICES	USAF
ELECTRONICS - SPECIAL CIRCUITS AND DEVICES - FREE RUNNING BLOCKING OSCILLATOR CIRCUIT	USN	ANTENNAS	USAF
ELECTROSTATIC CATHODE-RAY TUBE	USAF	ARTIFICIAL TRANSMISSION LINES	USAF
FEED BACK	USAF	ASTABLE MULTIVIBRATOR - TSTR	USAF
FILTERS AND POWER SUPPLIES	USAF	*AUDIO FREQUENCY AMPLIFICATION	FS
FILTERS AND POWER SUPPLIES - 'PI' TYPE FILTERS	USAF	BI-STABLE MULTIVIBRATOR - TSTR	USAF
FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 1	USAF	BI-STABLE MULTIVIBRATOR - VT	USAF
FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 2	USAF	BIASED CLAMPERS	USAF
FILTERS AND POWER SUPPLIES - POWER SUPPLY TROUBLESHOOTING	USAF	BLOCKING OSCILLATOR	USAF
FILTERS AND POWER SUPPLIES - VOLTAGE DOUBLERS	USAF	BLOCKING OSCILLATOR - TSTR	USAF
	USAF	BLOCKING OSCILLATOR - VT	USAF
	USAF	BRIDGE RECTIFIER - VACUUM TUBE	USAF
	USAF	CAPACITANCE, PT 1, PHYSICAL AND ELECTRICAL CHARACTERISTICS	
	USAF	AND FACTORS AFFECTING CAPACI	USA
	USAF	CAPACITORS	USAF
	USAF	CAPACITORS - DC-AC ACTION	USAF
	USAF	CAPACITORS - REACTANCE AND TOTAL CAPACITANCE	USAF
	USAF	CATHODE FOLLOWER	USAF
	USAF	DIODE, THE - PRINCIPLES AND APPLICATIONS	USOE
	USAF	DIODES AND RECTIFIER CIRCUITS - FULL-WAVE RECTIFIERS	USAF
	USAF	DIODES AND RECTIFIER CIRCUITS - HALF-WAVE RECTIFIERS	USAF

\* INDICATES NEW ENTRY

**ELECTRONICS**  
**THEORY - (Continued)**

DIODES AND RECTIFIER CIRCUITS - METALLIC RECTIFIERS	USAF	RF AND IF AMPLIFIERS, PT 1	USAF
DIODES AND RECTIFIER CIRCUITS - SOLID STATE DIODES	USAF	RHEOSTATS AND POTENTIOMETERS	USAF
DOUBLE INPUT MIXERS	USAF	*RL TRANSIENTS	USAF
DUO-DIODE LIMITER - TSTR	USAF	SATURABLE REACTORS	USAF
ELECTROMAGNETIC CATHODE RAY TUBE - THEORY OF OPERATION	USN	SERIES RC, RL, AND RCL CIRCUITS	USAF
ELECTRON COUPLED OSCILLATOR	USAF	SERIES RC, RL, AND RCL CIRCUITS -	USAF
ELECTRON THEORY, THE	USN	TRIGONOMETRIC SOLUTIONS	USAF
ELECTRON, THE - AN INTRODUCTION	USOE	SERIES RCL QUALITY AND	USAF
FILTERS AND POWER SUPPLIES	USAF	SELECTIVITY	USAF
FILTERS AND POWER SUPPLIES - 'PI' TYPE FILTERS	USAF	SERIES RESONANT CIRCUITS	USAF
FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 1	USAF	SHOCK EXCITED OSCILLATOR	USAF
FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 2	USAF	SHUNT HARTLEY OSCILLATOR - VT	USAF
FILTERS AND POWER SUPPLIES - POWER SUPPLY	USAF	SIMPLE VOLTAGE REGULATORS	USAF
TROUBLESHOOTING	USAF	SINGLE SIDEBAND RADIO -	
FILTERS AND POWER SUPPLIES - VOLTAGE DOUBLERS	USAF	INTRODUCTION	USMC
HALF-WAVE AND FULL-WAVE RECTIFIERS - VACUUM TUBE	USAF	SOLID STATE PRINCIPLES	USAF
INDUCTIVE REACTANCE	USAF	SPECIAL PURPOSE TUBES - REMOTE	
INDUCTIVE REACTANCE	USAF	CUTOFF AND BEAM POWER	
INTRODUCTION TO DISCRIMINATORS	USAF	TUBES	USAF
INTRODUCTION TO HETERODYNING	USAF	THYRATRON SAWTOOTH	
INTRODUCTION TO LC OSCILLATORS	USAF	GENERATOR	USAF
INTRODUCTION TO MULTIVIBRATORS	USAF	TRANSISTOR TETRODES AND FIELD	
INTRODUCTION TO PHANTASTRON	USAF	EFFECT TRANSISTORS	USAF
INTRODUCTION TO REACTANCE TUBE MODULATOR	USAF	TRANSISTOR TRIODE	
JUNCTION TRANSISTOR, THE KLYSTRONS	USN	CHARACTERISTICS	USAF
LISSAJOUS FIGURES	USAF	TRANSISTOR TRIODES	USAF
LOADED VOLTAGE DIVIDERS	USAF	TRANSISTOR TRIODES AND SPECIAL	
MAGNETIC CORES, PT 1, PROPERTIES	USA	PURPOSE DEVICES - COMMON-	
MAGNETIC CORES, PT 2, BASIC CIRCUITS	USA	COLLECTOR CONFIGURATION	USAF
MAGNETISM, PT B	USAF	TRANSISTOR TRIODES AND SPECIAL	
MAGNETRON	USAF	PURPOSE DEVICES - OPERATION	USAF
MICROWAVE OSCILLATORS, PT 1, REFLEX KLYSTRONS	USA	TRANSISTOR TRIODES AND SPECIAL	
MONOSTABLE MULTIVIBRATOR - TSTR	USAF	PURPOSE DEVICES - BIAS I	USAF
MONOSTABLE MULTIVIBRATOR - VT OHM'S LAW	USAF	TRANSISTOR TRIODES AND SPECIAL	
*ORIENTATION, THE TRUE FADE SYSTEM	USN	PURPOSE DEVICES - BIAS II	USAF
OSCILLATORS	USN	TRANSISTOR TRIODES AND SPECIAL	
PARALLEL RESONANT CIRCUITS	USAF	PURPOSE DEVICES - COMMON-	
PARALLEL RESONANT CIRCUITS	USAF	EMITTER CONFIGURATION	USAF
PENTODE CRYSTAL OSCILLATOR	USAF	TRANSISTORIZED HARTLEY	
PENTODES AND PENTAGRID	USAF	OSCILLATOR	USAF
PHANTASTRON	USAF	TRANSISTORIZED REGULATED	
PHASE SHIFT OSCILLATOR - VT	USAF	POWER SUPPLY	USAF
PLATE DETECTOR	USAF	TRANSISTORS - HIGH FREQUENCY	
PLATE-COUPLED MULTIVIBRATOR - VT	USAF	OPERATION - AMPLIFIERS AND	
POWER AND POWER FACTOR	USAF	OSCILLATORS	USN
POWER SUPPLIES	USAF	TRANSISTORS - LOW FREQUENCY	
PUSH-PULL AMPLIFIER	USAF	AMPLIFIERS	USN
PUSH-PULL AMPLIFIER	USAF	TRANSISTORS - MINORITY CARRIERS	
RADIO ANTENNAS - CREATION AND BEHAVIOR OF RADIO WAVES	USAF	TRANSISTORS - P-N JUNCTION	USN
RC TRANSIENTS	USAF	FUNDAMENTALS	
RCL	USN	TRANSISTORS - SERVICING	
REFLEX KLYSTRON	USAF	TECHNIQUES	USN
RESISTORS - COLOR CODE	USAF	TRANSISTORS - SWITCHING	
RESISTORS - CONSTRUCTION	USAF	TRANSISTORS - TRIODE	
RESONANT LINES	USAF	FUNDAMENTALS	USN
RESONANT SECTIONS AND MATCHING DEVICES	USAF	TRANSISTORS, PT 1, INTRODUCTION	
		TRANSISTORS, PT 2,	USA
		SEMICONDUCTORS AND	
		SEMICONDUCTOR DIODES	USA
		TRANSISTORS, PT 3, NPN	
		TRANSISTORS	USA
		TRANSISTORS, PT 4, PNP	
		TRANSISTORS	USA
		TRANSISTORS, PT 5, TRANSISTOR	
		AMPLIFIER AND OSCILLATOR	
		CIRCUITS	USA
		TRANSISTORS, PT 6, TRANSISTORS	
		IN PULSE APPLICATIONS	USA
		TRANSISTORS, PT 7,	
		TROUBLESHOOTING TRANSISTOR	
		CIRCUITS	USA
		TRANSISTORS, PT 8, REPAIRING	
		TRANSISTOR CIRCUITS	USA

\* INDICATES NEW ENTRY

**ELECTRONICS**  
**THEORY - (Continued)**

TRANSMISSION LINES	USAF	AMPLIFIER AND OSCILLATOR	USA
TRAVELING WAVE TUBE	USAF	CIRCUITS	
TRIODE LIMITERS	USAF	TRANSISTORS, PT 6, TRANSISTORS IN PULSE APPLICATIONS	USA
TRIODE VACUUM TUBES - CONSTRUCTION AND CHARACTERISTICS	USAF	TRANSISTORS, PT 7, TROUBLESHOOTING TRANSISTOR CIRCUITS	
TRIODE, THE - AMPLIFICATION	USOE	TRANSISTORS, PT 8, REPAIRING TRANSISTOR CIRCUITS	USA
TUNED BASE OSCILLATOR	USAF		
TUNED CIRCUITS	USA		
TUNED PLATE OSCILLATOR	USAF		
UNIJUNCTION SAWTOOTH GENERATOR	USAF	<b>ENGINEERING</b>	
UNIJUNCTION TRANSISTOR AND TUNNEL DIODE	USAF	<b>AEROSPACE INDUSTRY</b>	
USES OF RESONANT SECTIONS	USAF	*MEANWHILE BACK ON EARTH	USNASA
*VACUUM TUBES	FS	<b>AEROSPACE TECHNOLOGY</b>	
VACUUM TUBES - BIAS IN TRIODES	USAF	*AEROELASTIC PHENOMENA AND RELATED RESEARCH	USNASA
VACUUM TUBES - ELECTRON THEORY AND THE DIODE TUBE	USN	*AGRICULTURAL ENGINEERING - THE PROFESSION WITH A FUTURE	USDA
VACUUM TUBES - TRIODE AND MULTIPURPOSE TUBES	USAF	AIRPORTS IN PERSPECTIVE	USFAA
VACUUM TUBES - TRIODES - CATHODE SELF BIAS	USAF	BY-PRODUCTS OF SPACE RESEARCH - SELECTED EXAMPLES	USNASA
VACUUM TUBES - TRIODES - GRID LEAK BIAS	USAF	INTRODUCTION TO ENVIRONMENTAL ENGINEERING	USN
VIDEO AMPLIFIER	USAF	MODERN MANUFACTURING - COMMAND PERFORMANCE	USAF
VIDEO AMPLIFIERS	USAF	TERRADYNAMICS	USAEC
VOLTAGE REGULATORS	USAF		
WAVEGUIDE PLUMBING	USAF		
WAVESHAPING NETWORKS	USAF		
WEIN BRIDGE OSCILLATOR	USAF		
<b>TRANSISTOR</b>		<b>CIVIL ENGINEERING</b>	
TRANSISTOR TETRODES AND FIELD EFFECT TRANSISTORS	USAF	*DESILTING THE HUDSON	USAEE
TRANSISTOR TRIODE CHARACTERISTICS	USAF	*DRYER DRUM PROCESS	USFHWA
TRANSISTOR TRIODES	USAF	*ENVIRONMENT FOR EDUCATION	USDCPA
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON- COLLECTOR CONFIGURATION	USAF	*FROM THE RIDGE TO THE RIVER	USDA
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - OPERATION	USAF	*MINING NOISE HAZARDS	USBM
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - BIAS I	USAF	MODERN GEODETIC SURVEYING	USN
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - BIAS II	USAF	RIVER, THE	USDA
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON- BASE CONFIGURATIONS	USAF	SKID CORRELATION STUDY	USFHWAA
TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON- EMITTER CONFIGURATION	USAF	SLANTING	USOCD
TRANSISTORS - HIGH FREQUENCY OPERATION - AMPLIFIERS AND OSCILLATORS	USAF	SPEAKING OF MODELS	USAEE
TRANSISTORS - LOW FREQUENCY AMPLIFIERS	USAF	STANDARDIZATION - ENGINEERING	
TRANSISTORS - MINORITY CARRIERS	USN	PLANNING	USN
TRANSISTORS - P-N JUNCTION FUNDAMENTALS	USN	TENNESSEE BRIDGE TEST	USFHWAA
TRANSISTORS - SERVICING TECHNIQUES	USN	TENSION TESTING	USOEE
TRANSISTORS - SWITCHING	USN		
TRANSISTORS - TRIODE FUNDAMENTALS	USN	<b>ELECTROMECHANISM</b>	
TRANSISTORS, PT 1, INTRODUCTION	USA	ATOMIC POWER TODAY - SERVICE WITH SAFETY	USAEC
TRANSISTORS, PT 2, SEMICONDUCTORS AND SEMICONDUCTOR DIODES	USA	OIL GEAR HYDRAULIC TRAVERSING MECHANISM, THE - PRINCIPLES OF OPERATION	
TRANSISTORS, PT 3, NPN TRANSISTORS	USA		
TRANSISTORS, PT 4, PNP TRANSISTORS	USA	<b>HIGHWAY</b>	
TRANSISTORS, PT 5, TRANSISTOR	USA	AASHO ROAD TEST - CONSTRUCTION AND MATERIALS	USFHWA
		AASHO ROAD TEST - PAVEMENT RESEARCH	
		AASHO ROAD TEST - THE ROAD TO BETTER ROADS	USFHWA
		BEAUTY AND THE GRANDEUR, THE	USFHWA
		BY-PRODUCTS OF SPACE RESEARCH - SELECTED EXAMPLES	
		DUAL-DRUM PAVER PRODUCTIVITY	USNASA
		*EMBANKMENT COMPACTION CONTROL - FAMILY OF CURVES	USFHWA
		*EXPERIMENTAL LOADING STUDY OF THREE HIGHWAY BRIDGES IN TENNESSEE WITH THE US ARMY ...	
		HIGHWAY BRIDGE RESEARCH	USBPR
		HIGHWAY SOIL ENGINEERING	USFHWA
		HIGHWAYS ARE FOR PEOPLE	USFHWA
		INTRODUCTION TO HIGHWAY HYDRAULICS	USFHWA

\* INDICATES NEW ENTRY

*KNOCK AT THE DOOR	USFHWA	NATION IN TORMENT, A	USIA
LET NATURE WORK FOR YOU	USFHWA	NEAR HORIZON, THE	USIA
LICENSE PLATE TRAFFIC SURVEY	USFHWA	PANAMA	USDOD
LOST MIXING TIME ON DUAL-DRUM PAVER	USFHWA	*PROSPECT OF TURKEY	NATO
LOST PRODUCTION IN HIGHWAY CONSTRUCTION	USFHWA	*PUERTO RICO - MORE OR LESS	USDA
*MUDJACKING CONCRETE PAVEMENT	USAF	RISE OF THE SOVIET NAVY, THE	USN
POWER SHOVEL PRODUCTIVITY	USFHWA	THAILAND	USA
*PRESTRESSED CONCRETE PAVEMENT CONSTRUCTION	USFHWA	*THIS LAND OF MINE	USIA
RIGHT-OF-WAY FOR HIGHWAYS	USFHWA	TIDAL POWER	USAE
SAFETY IN HIGHWAY SURVEYING	USFHWA	*TRIESTE TO LAMPEDUSA	USECA
*SAFETY IN MOUNTAIN SURVEYING	USFHWA	*WE, THE JAPANESE PEOPLE	USA
SAND DRAINS	USFHWA		
SKID CORRELATION STUDY	USFHWA		
SPUR DIKES	USFHWA		
*ST MARY'S BRIDGE TEST	USFHWA		
*WOOD CHIP MULCH FOR EROSION CONTROL	USFHWA		

## GEOGRAPHY

### ARCTIC AND ANTARCTIC

AIR OPERATIONS IN THE ANTARCTIC	USN	*AGRICULTURE, U S A	USDA
COAST GUARD ICEBREAKERS	USCG	*AIM, ACTION, ACHIEVEMENT	USDA
ON THE ICE	USNSF	ALASKAN CENTENNIAL	USA
PORTRAIT OF ANTARCTICA	USN	ALASKAN HERITAGE	USDOD
RENDEZVOUS 90 DEGREES	USAF	ALEUTIAN MANNING	USAF
FAHRENHEIT SOUTH	USAF	ALEUTIAN SKYWATCH	USAF
SUMMER MOVEMENTS IN THE	USA	ALLIED VIEW OF AMERICAN	USAF
ARCTIC	USN	HERITAGE, AN	USBOR
TIME LAPSE STUDY OF ANTARCTIC	USN	AMERICAN ISLAND, THE	USDA
ICE FLOES AND TIDAL CURRENTS	USN	*AVALANCHE CONTROL	USDA

### FOREIGN COUNTRIES

*AIR FORCE NOW, THE, NO. 15	USAF	BIG RIVER	USAE
ALERT IN THE PACIFIC	USAF	*CERTAIN DISTANCE, A	USDA
BATTLE OF CHINA, THE	USWD	COAST GUARD ICEBREAKERS	USCG
CANADA	USA	COAST GUARD IN ALASKA	USCG
*CONSERVATION IN PUERTO RICO (SPANISH)	USDA	DATELINE ALASKA	USDOD
CZECHOSLOVAKIA - 1918-1968	USIA	*DESILTING THE HUDSON	USAE
FEAST, THE	USAEC	*EMERGENCY INVESTIGATION OF	USBM
*GOOD NEIGHBOR FAMILY	USCIAA	COAL WASTE EMBANKMENTS	USDA
GREECE	USDOD	*ERADICATING THE KHAPRA BEETLE	USAE
*HIGH JOURNEY	NATO	EXTRA DIVIDENDS	USIA
HIMALAYAN AWAKENING	USIA	GOLDEN GATE, THE	USDA
HUNGARIAN FIGHT FOR FREEDOM	USIA	*GREATEST GOOD, THE	USDA
ICELAND	USDOD	HEADQUARTERS U S A	USDOD
IMPRESSIONS OF JAPAN	USIA	HOOVER DAM	USIA
INTRODUCING BELGIUM	NATO	IN HONOR OF LIBERTY	USDOD
INTRODUCING CANADA	NATO	INTRODUCING THE UNITED STATES	NATO
INTRODUCING DENMARK	NATO	*LAND CHANGES, THE	USDA
INTRODUCING FRANCE	NATO	*LAND OF HAWAII	USDA
INTRODUCING GERMANY	NATO	*LAND OF THE SKY	USDA
INTRODUCING GREECE	NATO	*LITTLE SMOKEY	USDA
INTRODUCING ICELAND	NATO	*MAN AND A RIVER, A	USEPA
INTRODUCING ITALY	NATO	*NATIONAL FOREST TRAILS	USDA
INTRODUCING LUXEMBOURG	NATO	*NAVIGATION RETURNS TO THE	
INTRODUCING NORWAY	NATO	ARKANSAS	USAE
INTRODUCING PORTUGAL	NATO	*NEW ALASKA, THE	USDA
INTRODUCING THE NETHERLANDS	NATO	*NEW LIFE FOR THE GREAT PLAINS	USDA
INTRODUCING THE UNITED	NATO	NORTHWEST U S A	USOWIO
KINGDOM	NATO	PILGRIMAGE OF LIBERTY, A	USIA
INTRODUCING TURKEY	NATO	*RIVER RUN	USDA
JACQUELINE KENNEDY'S ASIAN	USIA	RIVER, THE	USDA
JOURNEY	USCIAA	RX FOR A RIVER	USAE
*LA PAZ	USFHWA	SEAS OF SWEET WATER	USIA
LAREDO TO PANAMA - THE INTER-	USDOD	SHACKLES FOR THE GIANT	USAE
AMERICAN HIGHWAY	USA	*SMOKE IN THE HOLLOW	USDA
LATIN AMERICA	USA	SPEAKING OF MODELS	USAE
LEADERS OF TOMORROW	USA	STORY OF THE GREAT LAKES	USCG
LIBRARIES WITHOUT BARS	USA	TAKE SAFETY WITH YOU	USAE

\* INDICATES NEW ENTRY

GEOGRAPHY

**UNITED STATES - (Continued)**

\* INDICATES NEW ENTRY

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**HEALTH**  
**ENVIRONMENTAL HEALTH - (Continued)**

**ENVIRONMENTAL HEALTH**

ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	USN	INFECTIOUS HEPATITIS - UNWANTED SOUVENIR	USN USNMAC
DECONTAMINATION - INTERIORS		IT MUST BE THE NEIGHBORS	
ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	USN	KEEP CLEAN - STAY WELL (BLACK CAST)	USNMAC
DECONTAMINATION - PERSONAL EQUIPMENT	USN	KEEP CLEAN - STAY WELL (SPANISH-AMERICAN CAST - SPANISH)	USNMAC
ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE	USN	KEEP CLEAN - STAY WELL (SPANISH-AMERICAN CAST)	USNMAC
DECONTAMINATION - PERSONNEL	USN	KITCHEN HABITS	USNMAC
ABC WARFARE DEFENSE ASHORE - BIOLOGICAL AND CHEMICAL	USN	KITCHEN HABITS (SPANISH)	USNMAC
DECONTAMINATION - EXTERIORS	USN	*MAN AND A RIVER, A	USEPA
ABC WARFARE DEFENSE ASHORE - DETECTION OF CONTAMINATED AREAS IN BIOLOGICAL AND ...	USN	*MANAGEMENT'S ROLE IN HEALTH AND SAFETY	
ABC WARFARE DEFENSE ASHORE - PROTECTIVE CLOTHING FOR DECONTAMINATION PERSONNEL	USN	MEET MR NOISE	USBM USAF
AIDE TO A BETTER WAY OF LIFE, AN AIDE TO A BETTER WAY OF LIFE, AN (SPANISH)	USPHS	MUNICIPAL SEWAGE TREATMENT PROCESSES	USNMAC
*AIR FORCE NOW, THE, NO. 15 AIR FORCE OCCUPATIONAL MEDICAL PROGRAM	USPHS	ONE DIMENSION, TWO DIMENSION, THREE DIMENSION...FOUR	USHUD
*AIR POLLUTION AND PLANT LIFE AIR POLLUTION IN THE NEW YORK- NEW JERSEY INTERSTATE AREA	USAF	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION - INSTRUCTOR'S COURSE	SL USEPA
*AIR WE BREATHE IN INDUSTRIAL ENVIRONMENTS, THE APPRAISING SOILS FOR SOIL ABSORPTION SYSTEMS	USAF	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION - TRAINING COURSE	SL USEPA
BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES	USEPA	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION	USEPA
BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES (SPANISH)	USNMAC	OUTBREAK OF SALMONELLA INFECTION, AN	USNMAC
BIOLOGY OF DOMESTIC FLIES	USBM	OUTBREAK OF SALMONELLA INFECTION, AN (SPANISH)	USNMAC
*CAN WE HAVE A LITTLE QUIET PLEASE?	USPHS	*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD HEALTH ORGANIZATION, THE (SPANISH)	FS USNMAC
CLEAN AIR IS A BREEZE - AIRBORNE CONTAMINATION CONTROL THROUGH LAMINAR AIR FLOW	USPHS	*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD HEALTH ORGANIZATION, THE (SPANISH)	FS USNMAC
CLEAN WATER MAKES GOOD HEALTH	USNMAC	PANDORA'S EASY OPEN POP-TOP BOX	USNMAC
CLEANLINESS BRINGS HEALTH	USFAA	PERSPECTIVES ON PESTICIDES	USNMAC
*COLLECTION OF PARTICULATE MATTER AND THE CONTROL OF AIR POLLUTION	USAEC	*PREVENTING COAL PNEUMOCONIOSIS THROUGH ENGINEERING CONTROLS	USBM
CONSTRUCTING A TYPICAL HOUSEHOLD SYSTEM	USIA	PREVENTIVE MEDICINE - A USAF TEAM IN ACTION	USAF
CONTROL OF AIR POLLUTION	USOIAA	*PROTECTION AGAINST RADIOACTIVITY IN URANIUM MINES	USBM
DENTAL OFFICE EMERGENCIES, PT 2	USVA	PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING	USNMAC
DON'T LEAVE IT ALL TO THE EXPERTS	USNMAC	PUBLIC HEALTH PROBLEMS IN MASS EVACUATION	USNMAC
EFFECTS OF AIR POLLUTION	USNMAC	RADIOACTIVE WASTE DISPOSAL	USNMAC
*EFFECTS OF CO ON HUMAN PERFORMANCE	USNMAC	RAT PROBLEM, THE	USNMAC
*ENDLESS CHAIN	USEPA	RAT PROBLEM, THE (FRENCH)	USNMAC
*ENVIRONMENTAL SANITATION	USAEC	RATPROOFING	USNMAC
EPIDEMIOLOGY OF PESTICIDE POISONINGS, THE	USOIAA	*REALITIES OF RECYCLING, THE	USEPA
*EQUINE INFECTIOUS ANEMIA	USNMAC	*RECYCLING	USEPA
HEALTHIER PLACE TO LIVE, A	USDA	REFUSE DISPOSAL BY SANITARY LANDFILLS	USNMAC
HEALTHIER PLACE TO LIVE, A (BLACK CAST)	USNMAC	REFUSE DISPOSAL BY SANITARY LANDFILLS (SPANISH)	USNMAC
HEALTHIER PLACE TO LIVE, A (SPANISH-AMERICAN CAST - SPANISH)	USNMAC	RURAL RAT CONTROL	USNMAC
HIGH-TEMPERATURE SHORT-TIME PASTEURIZATION INSPECTION AND TESTING	USNMAC	RURAL RAT CONTROL (SPANISH)	USNMAC
HOW DISEASE TRAVELS	USPHS	*SANITARY LANDFILL - ONE PART EARTH TO FOUR PARTS REFUSE	USEPA
HOW DISEASE TRAVELS (SPANISH)	USOIAA	SANITARY STORAGE AND COLLECTION OF REFUSE	USNMAC
INCINERATION	USOIAA	SANITATION TECHNIQUES IN RAT CONTROL	USNMAC
	USNMAC	SERVING FOOD	USNMAC
		SERVING FOOD (SPANISH)	USNMAC
		SETTING OF ENDEMIC	USNMAC

\* INDICATES NEW ENTRY

**HEALTH**  
**ENVIRONMENTAL HEALTH - (Continued)**

SCHISTOSOMIASIS IN PUERTO RICO, THE	USNMAC	MEDLARS	USNMAC
SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - FOOD PREPARATION	USN	NATIONAL LIBRARY OF MEDICINE PATH TO FULFILLMENT	USNMAC
SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - STORAGE	USN	*PLANT HEALTH PROGRAM, A	FS
SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - WATER SUPPLY	USN	*PLUM ISLAND ANIMAL DISEASE LABORATORY	USNMAC
SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL--FOOD SERVING SOURCES OF AIR POLLUTION	USN	RADIUM DECONTAMINATION	USDA
SPRAYING EQUIPMENT AND PROCEDURES, PT 1, RESIDUAL SPRAYING	USNMAC	READY FOR EDNA	USNMAC
SPRAYING EQUIPMENT AND PROCEDURES, PT 1, RESIDUAL SPRAYING (FRENCH)	USNMAC	SAFETY PIPETTING	USNMAC
STOWAWAY, PT 1, DISEASE AND PERSONAL HYGIENE	USA	SHORT WAY HOME, THE	USNMAC
STOWAWAY, PT 2, GALLEY SANITATION	USA	SPLENOPORTOGRAPHY	USA
*STUFF WE THROW AWAY, THE SURVEY OF REFUSE DISPOSAL METHODS, A	USEPA	STREPTOCOCCAL INFECTIONS	USNMAC
*TALL STACKS	USNMAC	*TO SEEK, TO TEACH, TO HEAL	USNIH
*THIS IS OSHA	USEPA	TOTAL BODY MEASUREMENT OF NATURAL AND ACQUIRED	
TOMORROW WILL NOT WAIT - AIR, WATER AND LAND CONSERVATION	USAF	RADIOACTIVITY IN MAN	
*TYPHOID CARRIER, THE	USIIAA	WHAT HAPPENED TO MOORETOWN	USA
*WASTE AWAY	USEPA	*5000 DUMPS	USNMAC
WHAT HAPPENED TO MOORETOWN	USNMAC		USEPA
*WHAT'S NEW IN SOLID WASTE MANAGEMENT	USEPA		
*WOOD CHIP MULCH FOR EROSION CONTROL	USFHWA		
*5000 DUMPS	USEPA		
<b>FACILITIES</b>			
ABC WARFARE DEFENSE ASHORE - CHEMICAL WARFARE	USN	<b>FIRST AID</b>	
DECONTAMINATION - PERSONNEL	USPHS	BANDAGING FOR HOSPITAL CORPSMEN	USN
BOLD NEW APPROACH	USNMAC	*BREATH IN TIME, A	USBM
COMMUNICABLE DISEASE CENTER, THE	USNMAC	DENTAL FIRST AID	USN
COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY	USNMAC	*ESSENTIALS OF FIRST AID	USN
COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY (SPANISH)	USNMAC	FIRST AID FOR ALL HANDS	USN
*COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY	USNMAC	FIRST AID FOR ALL HANDS - ASPHYXIA	USN
*COPING - THE NEW HAVEN STORY	USNIMH	FIRST AID FOR ALL HANDS - BLEEDING	USN
DISASTER FEEDING	USA	FIRST AID FOR ALL HANDS - BURNS	USN
*ENVIRONMENTAL SANITATION	USOIAA	FIRST AID FOR ALL HANDS - FRACTURES	USN
FALLOUT PROTECTION FOR HOSPITALS	USNMAC	FIRST AID FOR ALL HANDS - HANDLING AND TRANSPORTING	USN
GRAND ROUNDS	USNMAC	FIRST AID FOR BLEEDING	USN
LABORATORY METHODS FOR AIRBORNE INFECTION, PT 2, - THE HENDERSON APPARATUS	USNMAC	FIRST AID FOR BURNS	USN
MAKING AN UNOCCUPIED BED	USN	FIRST AID FOR FRACTURES - INTRODUCTION	USN
MAKING THE OCCUPIED BED	USN	FIRST AID FOR FRACTURES - SKULL, SPINE, AND PELVIS	USN
MANAGEMENT OF THE LEPROSY PATIENT	USNMAC	FIRST AID FOR FRACTURES - THE THOMAS LEG SPLINT	USN
MEDICAL SCHOOL AND THE COMMUNITY, THE - HOW ARE THEY RELATED	USNMAC	FIRST AID FOR FRACTURES - THE TRIANGULAR ARM SPLINT	USN
MEDICAL SUPPLY SYSTEM, U S ARMY, PT 2, OPERATIONS AT CONUS AND OVERSEAS INSTALLATIONS	USA	FIRST AID FOR FRACTURES - THE UNIVERSAL LEG SPLINT	USN
		FIRST AID FOR HEAT STROKE AND HEAT EXHAUSTION	USN
		FIRST AID HANDLING AND TRANSPORTING OF THE INJURED - INTRODUCTION	USN
		FIRST AID HANDLING AND TRANSPORTING OF THE INJURED - LIFELINES, IMPROVISED STRETCHERS.	USN
		FIRST AID HANDLING AND TRANSPORTING OF THE INJURED - MASTERING BASIC TECHNIQUES	USN
		FIRST AID, PT 1, MAJOR WOUNDS AND FRACTURES	USA
		FIRST AID, PT 3, BURNS	USA
		FIRST AID, PT 4, RESUSCITATION, MOUTH TO MOUTH, MOUTH TO NOSE	USA
		*FIRST MINUTE, THE	USBM
		*FIRST THINGS FIRST	USBM
		INTRODUCTION TO RESPIRATORY AND CARDIAC RESUSCITATION	USA
		*SICK CALL - INTRODUCTION TO SICK CALL TECHNIQUES	USN
		TECHNIQUES OF EXHALED-AIR ARTIFICIAL RESPIRATION	USAF

\* INDICATES NEW ENTRY

**HEALTH**  
**MEDICAL AND PARAMEDICAL PROFESSION - (Continued)**

**MEDICAL AND PARAMEDICAL PROFESSION**

AIR FORCE'S FLYING HOSPITALS,  
THE  
BASIC AUTOPSY PROCEDURE  
\*EMERGENCY DENTAL TREATMENT  
HYGIENIC PROCEDURES FOR THE  
AMPUTEE  
PRESCRIPTION ROSES  
\*TREATMENT - NEW TEAMS

USAF  
USA  
USN  
USNMAC  
USHSMH  
USNIMH

FEEDING THE PATIENT  
FUNDAMENTALS OF MASSAGE  
GAIT TRAINING OF THE PARAPLEGIC  
HANDWASHING IN PATIENT CARE  
HANDWASHING IN PATIENT CARE  
(SPANISH)

USOE  
USOE  
USNMAC  
USCDC  
USPHS

HEMIPARETIC PATIENT, THE -  
CHANGING POSITION IN BED  
HEMIPARETIC PATIENT, THE - IN  
AND OUT OF CAR - PATIENT  
WALKING WITH CANE  
HEMIPARETIC PATIENT, THE -  
SITTING UP AND LYING DOWN IN  
BED

USNMAC  
USNMAC

HEMIPARETIC PATIENT, THE -  
TRANSFER FROM WHEELCHAIR TO  
CAR AND REVERSE

USNMAC

HEMIPLEGIC PATIENT, THE, PT 2,  
BED POSITIONING OF THE ACUTE  
HEMIPLEGIC PATIENT

USNMAC

HEMIPLEGIC PATIENT, THE, PT 3,  
EVALUATION OF THE HEMIPLEGIC  
PATIENT FOR STANDING

USNMAC

HEMIPLEGIC PATIENT, THE, PT 4,  
PASSIVE RANGE OF MOTION

USNMAC

HOW TO OBSERVE NURSING  
ACTIVITIES, PT 1

USNMAC

\*HOW TO OBSERVE NURSING  
ACTIVITIES, PT 2

USNMAC  
USOE

HYDROTHERAPY  
INDEPENDENT AMBULATION AND  
ELEVATION ACTIVITIES OF THE  
HEMIPLEGIC PATIENT

USNMAC

INFANT CARE AND FEEDING  
INTENSIVE CARE

USIAA  
USNMAC

INTRODUCTION TO NURSING IN A  
CORONARY CARE UNIT

USNMAC

ISOLATION TECHNIQUE  
LUMBAR PUNCTURE

USN  
USN

MAKING AN UNOCCUPIED BED  
MAKING THE OCCUPIED BED

USN

NURSE COMBATS DISEASE, THE  
NURSING CARE OF THE SICK AND  
INJURED

USNMAC  
USNIMH

\*NURSING SCENE, THE  
NURSING SERVICE IN THE NAVY -  
THE WARD NURSE

USN

ORAL ADMINISTRATION OF  
MEDICATIONS

USN

ORAL HYGIENE FOR THE TOTAL-  
CARE PATIENT

USVA  
USN

POSTOPERATIVE CARE  
POSTURAL DRAINAGE--PATIENT  
POSITIONING

USNMAC

PREOPERATIVE CARE  
PRESCRIPTION ROSES

USN  
USHSMH

\*PUBLIC HEALTH NURSING IN  
COMMUNICABLE DISEASE  
CONTROL

FS  
USNMAC

QUADRIPARETIC PATIENT, THE -  
TRANSFER FROM WHEELCHAIR TO  
CAR AND REVERSE

USNMAC

\*SEASONS  
TEACHING CRUTCH WALKING

USSRS  
USOE

THERAPEUTIC USES OF HEAT AND  
COLD, PT 1, ADMINISTERING HOT  
APPLICATIONS

USOE

THERAPEUTIC USES OF HEAT AND  
COLD, PT 2, ADMINISTERING COLD  
APPLICATIONS

USOE

TRANSFERRING FROM WHEELCHAIR  
TO BED WITH MAXIMAL  
ASSISTANCE

USNMAC

TRANSFERRING THE PATIENT WITH  
ARTHRITIS

USNMAC

BASIC CARE OF PATIENTS, PT 1,  
CLEANING THE PATIENT'S UNIT  
AND MAKING AN UNOCCUPIED  
BED

USA

BASIC CARE OF PATIENTS, PT 2, THE  
BED BATH

USA

BASIC CARE OF PATIENTS, PT 3,  
MAKING AN OCCUPIED BED

USA

BASIC CARE OF PATIENTS, PT 4,  
PHYSICAL COMFORTS

USA

BASIC CARE OF PATIENTS, PT 5,  
FEEDING THE PATIENT

USA

BASIC CARE OF PATIENTS, PT 6, THE  
ENEMA

USA

BASIC CARE OF PATIENTS, PT 7,  
STERILE TECHNIQUE

USA

BASIC CARE OF PATIENTS, PT 8,  
PREOPERATIVE CARE

USA

BASIC CARE OF PATIENTS, PT 9,  
POSTOPERATIVE CARE

USA

BATHING THE PATIENT - HOME  
CARE

USOE

BED BATH, THE

USN

BED CARE AND POSITIONING OF  
THE PATIENT WITH ARTHRITIS

USNMAC  
USNMAC  
USOE

BODY MECHANICS

USNMAC

CARE OF THE CARDIAC PATIENT

USOE

CARE OF THE NEWBORN BABY -  
THE NURSE'S ROLE IN

USOE

INSTRUCTING THE PARENTS

USOE

CARE OF THE PATIENT WITH  
DIABETES MELLITUS -

USOE

COMPLICATED

USOE

CARE OF THE PATIENT WITH  
DIABETES MELLITUS -

USOE

UNCOMPLICATED

USOE

CARE OF THE PATIENT WITH  
HYDROCEPHALY

USOE

CARE OF THE SICK AND INJURED BY  
HOSPITAL CORPSMEN - CHAIN OF  
ASEPSIS

FS  
USNMAC

CATHETERIZATION OF THE

USN

PARALYTIC PATIENT

USNMAC

CHRONIC OBSTRUCTIVE

USNMAC

PULMONARY DISEASE-BREATHING  
PATTERNS

USNMAC

CHRONIC OBSTRUCTIVE

USNMAC

PULMONARY DISEASE-  
DIAPHRAGMATIC BREATHING

USNMAC

CHRONIC OBSTRUCTIVE

USNMAC

PULMONARY DISEASE-INTERMITTENT  
POSITIVE PRESSURE BREATHING

USNMAC

CHRONIC OBSTRUCTIVE

USNMAC

PULMONARY DISEASE-THE USE  
OF OXYGEN IN PHYSICAL

USNMAC

TERAPY ...

USNMAC

CRUTCH AND CANE MEASUREMENT

USNMAC

CRUTCH BALANCING FOR THE

USNMAC

PARAPLEGIC PATIENT

USNMAC

EAR, NOSE AND THROAT  
TREATMENTS

USN

ENEMAS

USN

EYE TREATMENTS

USN

**HEALTH**  
**NURSING AND PATIENT CARE – (Continued)**

USE OF THE CONDOM APPLIANCE FOR THE INCONTINENT PATIENT	USNMAC	CONSTRUCTING A SANITARY PIT PRIVY	USNMAC
USE OF TURNING FRAMES	USA	CONSTRUCTING A TYPICAL HOUSEHOLD SYSTEM	USNMAC
VIGIL OF JENNY FAY, THE	USNMAC	DADDY CAN'T FIND MY SOCKS	USHSMH
VITAL SIGNS AND THEIR INTERRELATION, THE - BODY TEMPERATURE, PULSE, RESPIRATION...	USOE	DESIGN FOR DENTAL HEALTH	USDDH
VITAL SIGNS, PT 1, CARDINAL SYMPTOMS	USN	DISASTER AID - PUBLIC HEALTH ASPECTS	USNMAC
VITAL SIGNS, PT 2, TAKING TEMPERATURE, PULSE, AND RESPIRATION	USN	EMMY IMMUNIZATION	USNMAC
VITAL SIGNS, PT 3, TAKING BLOOD PRESSURE	USN	HEALTH HAZARDS OF PESTICIDES	USNMAC
WORKING TOGETHER	USNMAC	LITTLE EXTRA WORK, A MANAGEMENT OF THE LEPROSY PATIENT	USNMAC
<b>NUTRITION</b>		MATTER OF PERSPECTIVE, A MATTER OF PROTECTION, A	USNMAC
ASSESSMENT OF FAT DIGESTION	SL	*MEN WHO CARE	USIA
*BETTER LIVING THROUGH RESEARCH		MILK AND PUBLIC HEALTH	USPHS
COMMUNITY CANNING		MILK AND REPUBLIC HEALTH (SPANISH)	USNMAC
DETECTION OF C BOTULINUM IN FOOD, PT 1, - PREPARATION OF FOOD SAMPLES AND DIRECT CULTU		MODERN IMMUNIZATION PROCEDURES IN CHILDREN AND ADULTS	USNMAC
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\* INDICATES NEW ENTRY

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*IN SELF DEFENSE	USNMAC	USSRS	USNMAC
*ISLANDS OF UNDERSTANDING MARIJUANA, LSD AND THE MIND - A DILEMMA FOR MEDICINE AND SOCIETY	USNMAC	USNMAC	USNMH
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 \*ERP IN ACTION, VOL 1, NO. 04  
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USGS	AIR FORCE STORY, THE - NORTH AFRICA, NOVEMBER 1942-MAY 1943	USAF
USGS	AIR FORCE STORY, THE - OUR WORLD-WIDE AIR FORCE, 1953- 1959 (VOL 2, CHAP 5)	USAF
NATO	AIR FORCE STORY, THE - PLOESTI, MARCH-AUGUST 1944	USAF
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USCG	AIR FORCE STORY, THE - PRELUDE TO WAR, 1937-1939	USAF
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USDA	AIR FORCE STORY, THE - THE AAF FIGHTS BACK, APRIL-JULY 1942	USAF
USARBC	AIR FORCE STORY, THE - THE AIR FORCE AND THE ATOM BOMB (VOL 2, CHAP 1)	USAF
USGS	AIR FORCE STORY, THE - THE AIR WAR STARTS, 1939-1941	USAF
USDOD	AIR FORCE STORY, THE - THE DRAWING OF THE BATTLE LINES, DECEMBER 1941 TO APRIL 1942	USAF
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USDA	AMERICAN NINTH ARMY - AACHEN TO THE ROER RIVER AWAY BOARDERS	USA
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\* INDICATES NEW ENTRY

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*MEMPHIS BELLE	USAF	MEDAL OF HONOR - BURNING PLOESTI OIL	USAF
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*THUNDERBOLT	USA	ONE MAN - JOSE GONZALES	USIA
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*TWO WORLDS-TWENTY YEARS WAR COMES TO AMERICA	USDOD	ONE MAN - REVEREND LEON SULLIVAN	USIA
*WE, THE JAPANESE PEOPLE WHY WE FIGHT-A SERIES	NATO	ONE MAN - WALTER SPIEL	USIA
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		*WHITE CLOUD, THE - THE TRUCK OF JOE MADRID	USIA

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### BIOGRAPHY

*AFTER THE ACCIDENT	USSRS
*AIR FORCE NOW, THE, NO. 07 AIR POWER AND THE MAN	USAF
*BEYOND THIS WINTER'S WHEAT CHARLEY RUSSELL'S FRIENDS	USA
*COWBOY	USA
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*DR. DRAGSTEDT	USNMAC
*DR. HASTINGS	USNMAC
*DR. HUGGINS	USNMAC
*DR. McDERMOTT	USNMAC
*DR. WANGENSTEEN	USNMAC
*DR. WOOD	USNASA
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\* INDICATES NEW ENTRY

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TEACHING ENGLISH CONVERSATION	USIA	*CANTONESE - BASIC COURSE, UNITS 16-30	RT	USFSI
TEACHING ENGLISH GRAMMAR	USIA	*CANTONESE - BASIC COURSE, UNITS 16-30	RT	USFSI
TEACHING ENGLISH PRONUNCIATION	USIA	*CHINYANJA - BASIC COURSE CHINYANJA - BASIC COURSE	RT	USFSI
TEACHING ENGLISH SPEECH	USIA	*DARI - AFGAN PERSIAN - BASIC COURSE, UNITS 1 - 60	RT	USFSI
<b>FINE ARTS</b>		*DARI - AFGAN PERSIAN - BASIC COURSE, UNITS 1 - 60	RT	USFSI
A + SCHOOL, THE AIR FORCE ON CANVAS, THE ART OF THE REAL, THE ART SCENE, U S A	USOCD	ELEMENTARY EDUCATION	RT	USBEH
ARTS OF JAPAN	USA	*FINNISH - BASIC COURSE	RT	USFSI
ASIAN ARTISTS IN CRYSTAL CERAMICS IN SPACE	USIA	FINNISH - BASIC COURSE	RT	USFSI
*FIRST WORLD FESTIVAL OF NEGRO ARTS	USIA	*FINNISH - GRADED READER	RT	USFSI
*IN SIGHT OF THE GIANT STEPS	FS	FINNISH - GRADED READER	RT	USFSI
*INDIAN FOR A CHANGE	USNASA	FINNISH - PRONUNCIATION AND READINGS	RT	USFSI
*LEONARDO - TO KNOW HOW TO SEE LIBRARIES WITHOUT BARS	USIA	*FINNISH - PRONUNCIATION AND READINGS	RT	USFSI
*MEN OF THE SEA ODE TO JOY	USAF	FOREIGN LANGUAGE LEARNING IN OUR SCHOOLS - A REPORT ON RESULTS ACHIEVED BY STARTING IN		USOE
ORIGINS OF THE MOTION PICTURE	USIA	FRENCH - BASIC COURSE, UNITS 1-12	RT	USFSI
PERFORMING ARTS, THE	USIA	*FRENCH - BASIC COURSE, UNITS 1-12	RT	USFSI
PHOTOGRAPHER, THE	USIA	*FRENCH - BASIC COURSE, UNITS 13-24	RT	USFSI
PRINTMAKERS	USDS	FRENCH - BASIC COURSE, UNITS 13- 24	RT	USFSI
*REACH FOR THE MOON AND TOUCH A STAR SLANTING	USIA	*FULA - BASIC COURSE	RT	USFSI
	USOCD	*FULA - BASIC COURSE	RT	USFSI
		*GERMAN - A PROGRAMMED INTRODUCTION	RT	USFSI
		*GERMAN - A PROGRAMMED INTRODUCTION	RT	USFSI
		GERMAN - BASIC COURSE, UNITS 1-12	RT	USFSI
		*GERMAN - BASIC COURSE, UNITS 1-12	RT	USFSI
		GERMAN - BASIC COURSE, UNITS 13-24	RT	USFSI
		*GERMAN - BASIC COURSE, UNITS 13-24	RT	USFSI
		GREEK - BASIC COURSE, VOL 1	RT	USFSI
		*GREEK - BASIC COURSE, VOL 1	RT	USFSI
		*GREEK - BASIC COURSE, VOL 2	RT	USFSI
		GREEK - BASIC COURSE, VOL 2	RT	USFSI
		*GREEK - BASIC COURSE, VOL 3	RT	USFSI
		GREEK - BASIC COURSE, VOL 3	RT	USFSI
		GROWTH OF A LANGUAGE -		
		AMERICAN ENGLISH		USIA
		HAUSA - BASIC COURSE	RT	USFSI
		*HAUSA - BASIC COURSE	RT	USFSI
		HEBREW - BASIC COURSE	RT	USFSI
		*HEBREW - BASIC COURSE	RT	USFSI
		*HUNGARIAN - BASIC COURSE, UNITS 1-12	RT	USFSI
		HUNGARIAN - BASIC COURSE, UNITS 1-12	RT	USFSI
		*HUNGARIAN - BASIC COURSE, UNITS 13-24	RT	USFSI
		HUNGARIAN - BASIC COURSE, UNITS 13-24	RT	USFSI
		*HUNGARIAN - GRADED READER	RT	USFSI
		HUNGARIAN - GRADED READER	RT	USFSI
		IGBO - BASIC COURSE	RT	USFSI
		*IGBO - BASIC COURSE IN THE NATIONAL INTEREST	RT	USFSI
				USOE

\* INDICATES NEW ENTRY

## HUMANITIES

### LANGUAGES - (Continued)

KIRUNDI - BASIC COURSE	RT	USFSI	1. GUIDE TO PRONUNCIATION, LESSONS 1-10	RT	USFSI
*KIRUNDI - BASIC COURSE	RT	USFSI	*VIETNAMESE - BASIC COURSE, VOL 1, GUIDE TO PRONUNCIATION, LESSONS 1-10	RT	USFSI
*KITUBA - BASIC COURSE	RT	USFSI	*VIETNAMESE - BASIC COURSE, VOL 2, LESSONS 11 - 15	RT	USFSI
KITUBA - BASIC COURSE	RT	USFSI	Vietnamese - BASIC COURSE, VOL 2, LESSONS 11 - 15	RT	USFSI
*KOREAN - BASIC COURSE, VOL 1	RT	USFSI	*YORUBA - BASIC COURSE	RT	USFSI
KOREAN - BASIC COURSE, VOL 1	RT	USFSI	YORUBA - BASIC COURSE	RT	USFSI
KOREAN - BASIC COURSE, VOL 2	RT	USFSI	*YORUBA - INTERMEDIATE TEXTS	RT	USFSI
*KOREAN - BASIC COURSE, VOL 2	RT	USFSI	*YORUBA - INTERMEDIATE TEXTS	RT	USFSI
*LANGUAGE POWER FOR PEACE	USA				
*LINGALA - BASIC COURSE	RT	USFSI			
LINGALA - BASIC COURSE	RT	USFSI			
LUGANDA - BASIC COURSE	RT	USFSI			
*LUGANDA - BASIC COURSE	RT	USFSI			
*MORE - BASIC COURSE	RT	USFSI			
MORE - BASIC COURSE	RT	USFSI			
*SERBO - CROATIAN - BASIC COURSE, UNITS 1-25	RT	USFSI	CHAPLAIN AND THE COMMANDER, THE	USA	
SERBO - CROATIAN - BASIC COURSE, UNITS 1-25	RT	USFSI	*CHAPLAIN AND THE COMMANDER, THE	USA	
*SERBO - CROATIAN - BASIC COURSE, UNITS 26-50	RT	USFSI	FOR THOU ART WITH ME	USN	
SERBO - CROATIAN - BASIC COURSE, UNITS 26-50	RT	USFSI	WASHINGTON MOSQUE, THE	USIA	
*SHONA - BASIC COURSE	RT	USFSI			
*SHONA - BASIC COURSE	RT	USFSI			
*SPANISH - BASIC COURSE, UNITS 1-15	RT	USFSI			
SPANISH - BASIC COURSE, UNITS 1-15	RT	USFSI			
SPANISH - BASIC COURSE, UNITS 16-30	RT	USFSI			
*SPANISH - BASIC COURSE, UNITS 16-30	RT	USFSI			
*SPANISH - BASIC COURSE, UNITS 31-45	RT	USFSI			
SPANISH - BASIC COURSE, UNITS 31-45	RT	USFSI			
SPANISH - BASIC COURSE, UNITS 46-55	RT	USFSI			
*SPANISH - BASIC COURSE, UNITS 46-55	RT	USFSI			
*SPANISH - FROM SPANISH TO PORTUGESE	RT	USFSI			
*SPANISH - FROM SPANISH TO PORTUGESE	RT	USFSI			
SPANISH - PROGRAMMATIC, VOL 1	RT	USFSI			
*SPANISH - PROGRAMMATIC, VOL 1	RT	USFSI			
*SPANISH - PROGRAMMATIC, VOL 2	RT	USFSI			
*SPANISH - PROGRAMMATIC, VOL 2	RT	USFSI			
*SWAHILI - ACTIVE INTRODUCTION, GENERAL CONVERSATION	RT	USFSI			
SWAHILI - ACTIVE INTRODUCTION, GENERAL CONVERSATION	RT	USFSI			
SWAHILI - ACTIVE INTRODUCTION, GEOGRAPHY	RT	USFSI			
*SWAHILI - ACTIVE INTRODUCTION, GEOGRAPHY	RT	USFSI			
*SWAHILI - BASIC COURSE	RT	USFSI			
SWAHILI - BASIC COURSE	RT	USFSI			
*SWEDISH - BASIC COURSE, UNITS 1-30	RT	USFSI			
*SWEDISH - BASIC COURSE, UNITS 1-30	RT	USFSI			
*THAI - BASIC COURSE, VOL 1	RT	USFSI			
*THAI - BASIC COURSE, VOL 1	RT	USFSI			
*THAI - BASIC COURSE, VOL 2	RT	USFSI			
*THAI - BASIC COURSE, VOL 2	RT	USFSI			
TO SPEAK WITH FRIENDS	USOE				
TURKISH - BASIC COURSE, UNITS 1-30	RT	USFSI			
*TURKISH - BASIC COURSE, UNITS 1-30	RT	USFSI			
*TWI - BASIC COURSE	RT	USFSI			
TWI - BASIC COURSE	RT	USFSI			
Vietnamese - BASIC COURSE, VOL	RT	USFSI			

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**BLACKSMITHING - (Continued)**

**BLACKSMITHING**

BLACKSMITH, THE - CALCULATING  
AND BENDING RINGS AND LINKS,  
THE  
BLACKSMITH, THE - CALCULATING  
AND FORGING A DECK SOCKET  
WRENCH

USN  
USN

FRAMING - HIP AND VALLEY  
RAFTERS  
FRAMING - RAFTER PRINCIPLES AND  
COMMON RAFTERS  
FUNDAMENTALS OF STAIR LAYOUT  
\*HARVEST OF COOPERATION  
HIGHWAY BRIDGE RESEARCH  
HIGHWAY SOIL ENGINEERING  
INTERIOR AND EXTERIOR TRIM  
INTRODUCTION TO HIGHWAY

USN  
USN  
USN  
USDA  
USFHWA  
USFHWA  
USN

**BORING MACHINE**

FACE MILLING WITH A FIXTURE  
ROUGH LINE-BORING  
ROUGH-FACING, BORING, AND  
TURNING A SHOULDER  
ROUGH-FACING, TURNING, AND  
DRILLING  
SETUP FOR FACE MILLING WITH A  
FIXTURE  
SETUP FOR ROUGH LINE-BORING

USOE  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE

HYDRAULICS  
\*KNOCK AT THE DOOR  
LET NATURE WORK FOR YOU  
LEVEES ON THE LOWER MISSISSIPPI  
LICENSE PLATE TRAFFIC SURVEY  
\*LONGER LIFE FOR WOOD  
LOST MIXING TIME ON DUAL-DRUM  
PAVER  
LOST PRODUCTION IN HIGHWAY

USFHWA  
USFHWA  
USFHWA  
USAE  
USFHWA  
USDA  
USFHWA

**BROACHING MACHINE**

BROACHING AN INTERNAL KEYWAY  
DOUBLE RAM VERTICAL SURFACE  
BROACHING  
SINGLE RAM VERTICAL SURFACE  
BROACHING

USOE  
USOE  
USOE

CONSTRUCTION  
\*MECHANIZED TRAIL EQUIPMENT  
\*MUDJACKING CONCRETE  
PAVEMENT  
\*NAVIGATION RETURNS TO THE  
ARKANSAS  
\*PLAN FOR SURVIVAL

USDA  
USAF  
USAE  
USBM

**CONSTRUCTION**

AASHO ROAD TEST -  
CONSTRUCTION AND MATERIALS  
AASHO ROAD TEST - PAVEMENT  
RESEARCH  
AASHO ROAD TEST - THE ROAD TO  
BETTER ROADS  
ADVANCE BASE WATERFRONT  
CONSTRUCTION - TIMBER PIERS  
\*ALL WEATHER WOOD  
FOUNDATIONS  
\*AT HOME WITH WOOD  
\*BLOCK THAT TERMITE  
BONDED THIN CONCRETE  
RESURFACING  
\*CARE AND USE OF A PERMISSIBLE  
FLAME SAFETY LAMP, THE  
CARPENTRY, PT 02, CHOPPING AND  
DRIVING TOOLS  
CARPENTRY, PT 03, SAWING AND  
BORING TOOLS  
CARPENTRY, PT 04, PLANING AND  
CHISELING TOOLS  
\*CLIMBING AND WORKING ON  
POLES  
CONSTRUCTING A SANITARY PIT  
PRIVY  
CONSTRUCTING A TYPICAL  
HOUSEHOLD SYSTEM  
CONSTRUCTION OF DIESEL  
ENGINES, THE  
CONSTRUCTION OF THE ARGONNE  
RESEARCH REACTOR  
CONSTRUCTION OF THE  
EXPERIMENTAL BOILING WATER  
REACTOR  
\*DESIGN AND CONTROL OF  
CONCRETE MIXES  
\*DRYER DRUM PROCESS  
DUAL-DRUM PAVER PRODUCTIVITY  
\*ERECTING LARGE POLES  
ESTABLISHING CONSTRUCTION  
LINES, PT 1  
ESTABLISHING CONSTRUCTION  
LINES, PT 2  
FOUNDATIONS AND CONCRETE  
FRAMING - FLOOR JOISTS AND  
WALLS

USFHWA  
USFHWA  
USFHWA  
USN  
USDA  
USDA  
USAF  
USBM  
USA  
USA  
USA  
USA  
USA  
USA  
USA  
USNMAC  
USNMAC  
USN  
USAEC  
USAEC  
USFHWA  
USFHWA  
USFWA  
JSA  
USN  
USN  
USN

POWER SHOVEL PRODUCTIVITY  
PRECAST, CONCRETE BRIDGE  
\*PRESTRESSED CONCRETE  
PAVEMENT CONSTRUCTION  
PUBLIC WORKS AND PUBLIC  
UTILITIES--CONTROL OF  
CORROSION BY CATHODE  
PROTECTION  
REPAINTING A FRAME BUILDING  
RESTLESS RIVER  
RIGHT-OF-WAY FOR HIGHWAYS  
\*ROCK BOLTING IN ORE MINES  
\*ROOF BOLTING IN COAL MINES  
SAFETY IN HIGHWAY SURVEYING  
SAND DRAINS  
SKID CORRELATION STUDY  
SPUR DIKES  
SUBMARINE, PT 2, CONSTRUCTION,  
THE  
TENNESSEE BRIDGE TEST  
THOUSAND-MILE MIRACLE  
UNDER WAY

USA  
USFHWA  
USFHWA  
USFHWA  
USN  
USOE  
USAE  
USFHWA  
USBM  
USBM  
USFHWA  
USFHWA  
USFHWA  
USFHWA  
USFHWA  
USFHWA  
USFHWA  
USN  
USFHWA  
USAE  
USAEC

**DRILL PRESS**

COUNTERSINKING, COUNTERBORING  
AND SPOT FACING  
DRILL PRESS, THE  
DRILLING A HOLE IN A PIN  
DRILLING A WELL BY THE  
PERCUSSION METHOD  
DRILLING AND TAPPING CAST STEEL  
DRILLING TO A LAYOUT AND  
SPOTFACING CAST IRON  
DRILLING, BORING, AND REAMING  
WORK HELD IN CHUCK  
DRILLING, TAPPING, STUB-BORING  
AND REAMING  
LOCATING HOLES, DRILLING AND  
TAPPING IN CAST IRON

USOE  
USOE  
USOE  
USNMAC  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE  
USOE

**ELECTRICAL WORKS AND ELECTRONICS**

BASIC CIRCUIT SYMBOLS AND  
COMPONENTS - BATTERY  
CIRCUITS  
CABLE SURFACE WIRING

USAF  
USOE

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**ELECTRICAL WORKS AND ELECTRONICS - (Continued)**

*CLIMBING AND WORKING ON POLES	USA	WIRING OLD BUILDING WITH ARMORED CABLE	USOE
*CONTACT THAT KILLS DC MOTOR, PT 1, MECHANICAL OVERHAUL	USBM	WIRING TELLTALE PANEL	USOE
DC MOTOR, PT 2, REWINDING	USOE		
DIRECT CURRENT CONTROLLERS	USOE		
ELECTRICAL CIRCUIT FAULTS	USOE		
*ELECTRICAL EQUIPMENT - MASTER OR SERVANT	USBM	<b>ENGINEERING</b>	
*ERECTING LARGE POLES	USA	*DRYER DRUM PROCESS	USFHWA
*HOUSEHOLD APPLIANCE REPAIRMAN	USDLMP	*ERECTING LARGE POLES	USA
INSTALLING AND CONNECTING TELLTALE PANEL	USOE	OIL GEAR HYDRAULIC TRAVERSING MECHANISM, THE - PRINCIPLES OF OPERATION	USA
INSTALLING CONDUIT	USOE	PRINCIPLES OF OPERATION AND DESIGN	USNMAC
INSTALLING SURFACE METAL RACEWAY	USOE	*ST MARY'S BRIDGE TEST	USFHWA
JOINING SOLID CONDUCTORS	USOE	TENNESSEE BRIDGE TEST	USFHWA
LAYING OUT AND INSTALLING MAIN WIREWAY	USOE	WHY ENGINES ARE GOVERNED	USA
*LOADING AND UNLOADING POLES	USOE	X-RAY INSPECTION	USOE
LUBRICATION OF ELECTRONIC EQUIPMENT	USOE		
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - AUTOMATIC TYPE SELECTING..	USN	<b>ENGINES AND POWER SYSTEMS</b>	
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - FUNCTION MECHANISM	USN	AIR START CHECK VALVE, CYLINDER RELIEF VALVE, AND INDICATOR COCK	USN
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - KEYBOARD TRANSMITTING MECHANISM	USN	BASIC HYDRAULIC GOVERNOR	USN
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER-TYPE BOX POSITIONING MECHANISM	USN	BEARING DISASSEMBLY AND INSPECTION	USN
ONE HUNDRED FIFTEEN - DEADLY SHIPMATE	USN	BEARING REASSEMBLY	USN
OPEN WIRE TRANSPOSITION SYSTEMS	USA	BEARING REMOVAL AND INSPECTION, 8-268A ENGINE	USN
POLE LINE CONSTRUCTION, PT 3, ERECTING POLES AND ATTACHING CROSSARMS	USA	BEARINGS	USN
PORCELAIN PROTECTED SURFACE WIRING	USOE	BEARINGS	USN
POWER BENDING CONDUIT	USOE	BENCHWORK, PT 1	USN
PREPARING OLD BUILDINGS FOR WIRING	USOE	BENCHWORK, PT 2	USN
PREVENTIVE MAINTENANCE OF SIGNAL EQUIPMENT FOR COMMANDERS	USA	BENCHWORK, PT 3	USN
PRINTED CIRCUITS AND THEIR REPAIR	USAF	BENCHWORK, PT 4	USN
PULLING AND INSTALLING CABLE AND PACKING TERMINAL TUBES	USOE	BMEP LIMITER	USN
RADIO SHOP TECHNIQUES	USN	CONSTRUCTION OF DIESEL ENGINES, THE	USN
RECEIVER TROUBLESHOOTING PROCEDURE	USAF	CYLINDER HEAD	USN
REPULSION-INDUCTION MOTOR - GENERAL OVERHAUL	USOE	CYLINDER HEAD AND PISTON	USN
RESISTORS - CONSTRUCTION	USAF	CYLINDER HEAD REMOVAL	USN
ROUGHING-IN NONMETALLIC SHEATHED CABLE	USOE	DENISON HYDRAULIC PUMPS AND MOTORS-DISASSEMBLY	USN
SERIES RESISTIVE CIRCUITS - TROUBLESHOOTING	USAF	DIESEL ENGINE FUEL SYSTEMS	USN
SOLDERING LUGS AND SPLICING STRANDED CONDUCTORS	USOE	DIESEL ENGINE GOVERNORS, PT 1, - WOODWARD GOVERNORS	USN
*SPARK ARRESTER INSPECTION	USDA	DIESEL ENGINE GOVERNORS, PT 2, - GM SERIES 71, LIMITING SPEED MECHANICAL GOVERNORS	USN
SYNCHROSCOPE	USAF	DIESEL ENGINE, THE	USN
THREE-WIRE SERVICE ENTRANCE	USOE	DIESEL ENGINE, THE - SCAVENGING AND SUPERCHARGING DIESEL ENGINES	USN
TT-47/UG TELETYPEWRITER - PREVENTIVE MAINTENANCE	USN	DIESEL LUBRICATION AND COOLING SYSTEMS	USN
USE OF THE OSCILLOSCOPE	USAF	DIESEL LUBRICATION AND COOLING SYSTEMS - LUBRICATION OF THE GM-71 SERIES ENGINES	USN
VOLT OHMMETER OPERATION	USN	DISASSEMBLY	USN
		DISASSEMBLY OF THE 8-268A ENGINE	USN
		DISASSEMBLY, PT 1	USN
		DISASSEMBLY, PT 2	USN
		ENGINE REASSEMBLY, PT 1	USN
		ENGINE REASSEMBLY, PT 2	USN
		ENGINE REASSEMBLY, PT 3	USN
		FUEL PUMP DISASSEMBLY	USN
		FUEL PUMP RECONDITIONING AND REASSEMBLY	USN
		GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS-DISASSEMBLY AND REASSEMBLY, MODEL 278	USN
		GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS-MAINTENANCE	USN
		INJECTION NOZZLE	USN
		INJECTOR BLOCK RECONDITIONING AND REASSEMBLY	USN

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**ENGINES AND POWER SYSTEMS - (Continued)**

INJECTOR BLOCK REMOVAL AND DISASSEMBLY	USN	FLOW PROCESS CHART AND HOW TO USE IT, THE (SPANISH)	USOSRD
INJECTOR BLOCK REPLACEMENT AND TIMING	USN	PRINCIPLES OF OPERATION AND DESIGN	USNMAC
INJECTOR RACK SETTING FOR GM DIESEL SERIES 71 ENGINE	USA	SECTIONAL VIEWS AND PROJECTIONS - FINISH MARKS	USOE
INJECTOR TIMING FOR GM DIESEL SERIES 71, USING 70MM, 80MM AND 90MM INJECTORS	USA	SHIP'S BLUEPRINTS - BASIC	USN
INSPECTION AND PREPARATORY STEPS	USA	*STAMPS - A NATION'S CALLING CARDS	USPO
INSPECTION OF PISTON	USN		
INSTALLATION OF CYLINDER HEAD	USN	<b>GRINDING MACHINE</b>	
INSTALLATION OF CYLINDER HEAD	USN	ENDFEED GRINDING A TAPERED PIN	USOE
INSTALLATION OF LINER AND PISTON	USN	FINE GRINDING AND POLISHING	USN
LINER AND PISTON	USN	GRINDING A DEEP HOLE	USOE
MAINTENANCE AND REPAIR OF STEAM CONDENSER - CIRCULATING WATER SIDE	USN	GRINDING A PARALLEL BAR, PT 1, SETTING UP THE MACHINE	USOE
MARINE DIESEL ENGINES FOR POWER BOATS	USN	GRINDING A PARALLEL BAR, PT 2, GRINDING OPERATIONS	USOE
MARINE GAS TURBINE ENGINES - PRINCIPLES OF OPERATION	USN	GRINDING A PLAIN PIN, PT 1, THE GRINDING WHEEL	USOE
MARINE GAS TURBINE ENGINES - THE SOLAR T-45 ENGINE	USN	GRINDING A PLAIN PIN, PT 2, GRINDING OPERATIONS	USOE
MARINE GAS-TURBINE ENGINE - TROUBLE SHOOTING	USN	GRINDING A SLENDER SHAFT WITH BACK REST	USOE
NAVAL STEAM TURBINES - HOW TURBINES WORK	USN	GRINDING A STRAIGHT HOLE	USOE
NAVAL STEAM TURBINES - TURBINE CASUALTIES	USN	GRINDING A STRAIGHT HOLE (SPANISH)	USOE
PISTON AND LINER REMOVAL	USN	GRINDING A TAPER	USOE
POWERHEAD	USN	GRINDING A TEMPLATE	USOE
REASSEMBLY OF CYLINDER HEAD	USN	GRINDING A V BLOCK	USOE
REASSEMBLY OF THE 8-268A ENGINE	USN	GRINDING AND FACING A BLIND HOLE	USOE
RECONDITIONING THE FUEL PUMP	USN	GRINDING MULTIPLE-POINT CARBIDE TOOLS	USOE
SPEED DROP	USN	GRINDING SINGLE-POINT CARBIDE TOOLS	USOE
*WINCH CHARACTERISTICS - ELECTRIC, HYDRAULIC AND STEAM	USA	GRINDING THIN DISCS	USOE
		INFEED GRINDING A SHAFT OF TWO DIAMETERS	USOE
		INFEED GRINDING SHOULDERED WORK	USOE
		PLUNGE CUT GRINDING	USOE
		SHARPENING A FORM RELIEVED CUTTER	USOE
		SHARPENING A PLAIN HELICAL MILLING CUTTER	USOE
FOUNDRY		SHARPENING A SHELL END MILL	USOE
CHARGING AND OPERATING A CUPOLA	USJE	SHARPENING A SIDE MILLING CUTTER	USOE
LAYING OUT SMALL CASTINGS	USOE	SHARPENING AN ANGULAR CUTTER	USOE
MAKING A SIMPLE CORE	USOE	THRUFEE GRINDING A STRAIGHT PIN, PT 1	USOE
MOLDING A HORIZONTAL CORED PART	USOE	THRUFEE GRINDING A STRAIGHT PIN, PT 2	USOE
MOLDING A VALVE BODY	USOE		
MOLDING ON A JOLT ROLL-OVER PATTERN DRAW MACHINE	USOE	<b>HANDTOOLS</b>	
MOLDING ON A JOLT SQUEEZE MACHINE	USOE	BARS, PUNCHES AND DRIFTS	USA
MOLDING PART WITH DEEP GREEN SAND CORE	USOE	BASIC LAYOUT TOOLS, PT 2	USN
MOLDING WITH A GATED PATTERN	USOE	CARPENTRY, PT C1, MEASURING, MARKING AND LEVELING TOOLS	USA
MOLDING WITH A LOOSE PATTERN - BENCH	USOE	CARPENTRY, PT 02, CHOPPING AND DRIVING TOOLS	USA
MOLDING WITH A LOOSE PATTERN - FLOOR	USOE	CARPENTRY, PT 03, SAWING AND BORING TOOLS	USA
MOLDING WITH A SPLIT PATTERN	USOE	CHISELS	USA
MOLDING WITH A THREE PART FLASK	USOE	*CLIMBING AND WORKING ON POLES	USA
MOLECULAR BIOLOGY - AN INTRODUCTION	USAEC	CUTTING T-READS WITH TAPS AND DIES	USOE
PREPARING A CUPOLA FOR CHARGING	USOE	*CUTTING THREADS WITH TAPS AND DIES (FRENCH)	USOE
GRAPHIC ARTS		DRILLING WITH PORTABLE DRILL MOTORS	USOE
BEHIND THE SHOP DRAWING	USN	FILES AND FILING, PT IV	USN
FLOW PROCESS CHART AND HOW TO USE IT, THE	USOSRD	HACKSAWS	USWD

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**HANDTOOLS - (Continued)**

HACKSAWS, PT 3	USN	GROOVING AND CHAMFERING - ON A VERTICAL TURRET LATHE	USOE
HAMMERS	USWD	FINE GRINDING AND POLISHING	USN
HAND SOLDERING	USOE	LATHE, THE	USOE
*HANDYMAN, THE	USIA	LATHE, THE (SPANISH)	USOE
INTRODUCTION TO HAND TOOLS, THE, PT 1	USN	MACHINING WORK HELD IN CHUCK - USE OF REFERENCE SURFACES	USOE
MAN WITH THE TORQUE WRENCH, THE	USAF	MACHINING WORK HELD IN CHUCK - USE OF REFERENCE SURFACES (SPANISH)	USOE
*MUDJACKING CONCRETE PAVEMENT	USAF	ROUGH TURNING BETWEEN CENTERS	USOE
PLIERS AND SCREW DRIVERS	USA	SETTING UP AND MACHINING BAR STOCK	USOE
THREADING TAPS AND DIES, PART VII	USN	TURNING A CYLINDER BETWEEN CENTERS	USOE
TWIST DRILLS, PT V	USN	TURNING A TAPER WITH THE TAILSTOCK SET OVER	USOE
*VOLUNTEER FIREMAN, THE WRENCHES	USDA	TURNING TAPER WORK	USOE
	USA	TURNING WORK HELD ON A FIXTURE	USOE
<b>HOBBLING MACHINE</b>		TURNING WORK HELD ON A FIXTURE (SPANISH)	USOE
HOBBLING A HELICAL GEAR - TWO CUTS NONDIFFERENTIAL METHOD	USOE	TURNING WORK HELD ON A MANDREL	USOE
HOBBLING A SPUR GEAR, PT 1, SETTING UP THE CHANGE GEARS	USOE	TURNING WORK HELD ON A MANDREL (SPANISH)	USOE
HOBBLING A SPUR GEAR, PT 2, SETTING UP AND HOBBLING THE WORK	USOE	TURNING WORK IN A CHUCK	USOE
HOBBLING A SQUARE TOOTH SPLINE SHAFT	USOE	TURNING WORK OF TWO DIAMETERS	USOE
HOBBLING A WORM GEAR - INFEED METHOD	USOE	TURNING WORK ON A FACE PLATE	USOE
		TURRET LATHE, THE - AN INTRODUCTION	USOE
<b>HYDROGRAPHY</b>		USING A BORING BAR BETWEEN CENTERS - WORK HELD ON CARRIAGE	USOE
HYDROGRAPHIC SURVEY OPERATIONS	USN	USING A FOLLOWER REST	USOE
HYDROGRAPHIC SURVEY OPERATION - HYDROGRAPHIC CONTROL AND SOUNDING OPERATIONS	USN	USING A STEADY REST	USOE
HYDROGRAPHY FOR CHARTING - POSITION FIXING	USN	USING A STEADY REST WHEN BORING	USOE
HYDROGRAPHY FOR CHARTING - SOUNDING DRAGGING	USN		
SECONDARY SURVEY, CONTROL POINTS, AND HYDROGRAPHIC DEVELOPMENTS	USN	<b>MAPS</b>	
		BASIC MAP READING-PART 1-MAP SYMBOLS	USA
		BASIC MAP READING, PT 2, GRID, DISTANCE AND ELEVATION	USA
		BASIC MAP READING, PT 3, DIRECTION, ORIENTATION, AND LOCATION WITHOUT A COMPASS	USA
		BASIC MAP READING, PT 4, DIRECTION, ORIENTATION, AND LOCATION WITH A COMPASS	USA
		BASIC MAP READING, PT 5, PHOTOS AND PHOTOMAPS	USA
		CHARTS	USN
		PRINCIPAL DIMENSIONS, REFERENCE SURFACES AND TOLERANCES	USOE
<b>LATHE</b>			
BAR WORK - MAGNESIUM, PT 1, SETTING UP BAR MECHANISM AND ROLLER TURNER	USOE	<b>MECHANICAL AND ENGINEERING DRAWING</b>	
BAR WORK - MAGNESIUM, PT 2, SETTING UP MULTIPLE ROLLER TURNER AND TURNING A TAPER	USOE	MAKING A WIRE TEMPLATE	USN
BAR WORK - MAGNESIUM, PT 3, NECKING AND THREADING BY USE OF ATTACHMENT AND BY DIE H	USOE	MERCHANT MARINE SAFETY	USCG
BORING TO CLOSE TOLERANCES	USOE	READING A DRAWING OF A VALVE BONNET	USOE
CHUCK WORK, PT 2, SETTING UP TOOLS FOR COMBINED CUTS	USOE	READING A THREE-VIEW DRAWING	USOE
CUTTING A TAPER WITH THE COMPOUND REST AND WITH A TAPER ATTACHMENT	USOE	READING A THREE-VIEW DRAWING (SPANISH)	USOE
CUTTING AN EXTERNAL NATIONAL FINE THREAD	USOE	VISUALIZING AN OBJECT	USOE
CUTTING AN INTERNAL ACME THREAD	USOE	VISUALIZING AN OBJECT (SPANISH)	USOE
CUTTING AN INTERNAL TAPER PIPE THREAD	USOE		
CUTTING EXTERNAL ACME THREAD	USOE		
CUTTING WITH CARBIDE TOOLS, PT 1, SINGLE POINT	USOE	<b>METALLURGY</b>	
DRILLING, BORING, AND REAMING WORK HELD IN CHUCK	USOE	ASSEMBLING IN A JIG - DRILLING AND RIVETING	USOE
FACE TURNING A COLLAR FACING, TURNING, BORING,	USOE	ASSEMBLING IN A JIG - FITTING AND LINING UP	USOE

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**METALLURGY - (Continued)**

BENDING COPPER TUBING TO A WIRE TEMPLATE	USOE	INNERBOTTOM, THE - SETTING UP FLOORS AND LONGITUDINALS	USOE
BLANKING SHEET METAL ON THE SQUARING SHEAR	USOE	INSTALLING VALVES IN ENGINE ROOM SYSTEMS, PT 1	USOE
BLANKING SHEET METAL WITH HAND SNIPS	USOE	INSTALLING VALVES IN ENGINE ROOM SYSTEMS, PT 2	USOE
BLANKING WITH ROTARY AND HIGH SPEED SHEARS	USOE	INSTALLING VITREOUS FIXTURES	USOE
BLANKING WITH THE SWING ARM ROUTER	USOE	LAYING OUT AND INSTALLING HANGERS	USOE
BLIND RIVETING	USOE	MACHINING A CAST IRON RECTANGULAR BLOCK	USOE
BRAZING CARBIDE TOOLS	USOE	MACHINING A CAST IRON RECTANGULAR BLOCK (SPANISH)	USOE
BRAZING FLANGES WITH SILVER SOLDER	USOE	MACHINING A TOOL STEEL V BLOCK	USOE
BRAZING FLANGES WITH SPELTER	USOE	MAKING A COLD BEND ON A HAND POWERED MACHINE	USOE
CARE AND MAINTENANCE OF TAPERED ROLLER BEARINGS	USA	MAKING A MASTER CONTOUR TEMPLATE	USOE
COPPERSMITH, THE - FLARING AND REDUCING	USN	MEASURING PIPE, TUBING AND FITTINGS	USOE
COPPERSMITH, THE - WORKING OUT BRANCHES FROM A LINE	USN	METAL CUTTING CHISELS, PT VI	USN
COVERING HOT AND COLD PIPES	USOE	PIPE FABRICATION WITH JIGS	USOE
CUTTING AND THREADING PIPE BY HAND	USOE	POWDER METALLURGY, PT 1, PRINCIPLES AND USES	USOE
CUTTING AND THREADING PIPE ON A POWER MACHINE	USOE	POWDER METALLURGY, PT 2, MANUFACTURE OF POROUS BRONZE BEARINGS	USOE
CUTTING THREADS WITH TAPS AND DIES	USOE	PUBLIC WORKS AND PUBLIC UTILITIES--CONTROL OF CORROSION BY CATHODE PROTECTION - ...	USN
*CUTTING THREADS WITH TAPS AND DIES (FRENCH)	USOE	REMOVING A SECTION OF PIPING ABOARD SHIP	USN
CUTTING WITH CARBIDE TOOLS, PT 2, MILLING CUTTERS	USOE	SAWING AN INTERNAL IRREGULAR SHAPE	USOE
DECK GIRDERS - SUBASSEMBLY	USOE	SAWING TEMPLATE METAL	USOE
DECK PLATES - REGULATING AND SETTING	USOE	SHARPENING AND TEMPERING FARM TOOLS	USOE
DECK, THE - SETTING A WEB FRAME AND A TRANSVERSE BEAM	USOE	<b>MILLING MACHINE</b>	
DIMPING AND COUNTERSINKING	USOE	BORING HOLES WITH OFFSET BORING HEAD	USOE
DRILLING WITH PORTABLE DRILL MOTORS	USOE	CONTOUR FACE MILLING	USOE
DRIVING AND BUCKING RIVETS	USOE	CUTTING A DOVETAIL TAPER SLIDE	USOE
FABRICATING METAL AIRCRAFT	USOE	CUTTING A KEYWAY ON END OF A FINISHED SHAFT	USOE
FABRICATION OF PLUTONIUM DISKS	USAEC	CUTTING A ROUND END KEYWAY	USOE
FILES AND FILING, PT IV	USN	CUTTING A SHORT RACK	USOE
FILING	USN	CUTTING KEYWAYS	USOE
FILING AN INTERNAL IRREGULAR SHAPE	USOE	CUTTING TEETH ON A WORM GEAR	USOE
FILING TEMPLATE METAL	USOE	CUTTING WITH CARBIDE TOOLS, PT 1, SINGLE POINT	USOE
FITTING AND INSTALLING A SECTION OF PIPE ABOARD SHIP	USN	CUTTING WITH CARBIDE TOOLS, PT 2, MILLING CUTTERS	USOE
FORMING ON A HAND OPERATED BRAKE	USOE	DRILLING, TAPPING, STUB-BORING AND REAMING	USOE
FORMING ON ROTARY MACHINES	USOE	MILLING A CIRCULAR T-SLOT	USOE
FORMING ON THE STRETCHING MACHINE	USOE	MILLING A HELICAL CUTTER	USOE
FORMING WITH A DROP HAMMER	USOE	MILLING A HELICAL GROOVE	USOE
FORMING WITH RUBBER ON THE HYDRAULIC PRESS	USOE	MILLING A TEMPLATE	USOE
FUNDAMENTALS OF END CUTTING TOOLS	USOE	MILLING MACHINE, THE	USOE
FUNDAMENTALS OF END CUTTING TOOLS (SPANISH)	USOE	MILLING MACHINE, THE (SPANISH)	USOE
FUNDAMENTALS OF FILING	USOE	PLAIN INDEXING AND CUTTING A SPUR GEAR	USOE
FUNDAMENTALS OF SIDE CUTTING TOOLS	USOE	STRADDLE AND SURFACE MILLING TO CLOSE TOLERANCES	USOE
FUNDAMENTALS OF SIDE CUTTING TOOLS (SPANISH)	USOE	STRADDLE MILLING	USOE
HEAT TREATMENT OF ALUMINUM, PT 1	USOE	USING A SHELL END MILL	USOE
HEAT TREATMENT OF ALUMINUM, PT 2	USOE	<b>OPTICS</b>	
INNERBOTTOM SECTIONS - SUBASSEMBLY OF A CLOSED FLOOR, SUBASSEMBLY OF AN OPEN FLOOR	USOE	BEVELING, GROOVING, AND ROUNDING	USN
	USOE	CENTERING, EDGE GRINDING AND BEVELING	USOE

\* INDICATES NEW ENTRY

## **INDUSTRIAL ARTS**

### **OPTICS - (Continued)**

FINE GRINDING	USOE	FILM PROCESSOR, EH-38 - MAINTENANCE	USN
INTRODUCTION TO OPTICS	USN	FILM PROCESSOR, EH-38 - OPERATION AND MAINTENANCE	USN
PITCH BUTTONING AND BLOCKING	USOE	FILM PROCESSOR, EH-38 - QUALITY CONTROL	USN
POLISHING	USOE	MOMENT IN TIME, A NAVY PHOTOGRAPHY IN SCIENCE	USN
ROUGH GRINDING	USOE	*PATTERNS OF THE WILD TECHNIQUES OF ARMY NEWS	USN
ROUGH GRINDING BY PIN-BAR	USN	PHOTOGRAPHY, THE	USDA
ROUGH GRINDING WITH A CURVATURE GENERATOR	USN		
ROUGH GRINDING WITH VERTICAL SURFACE GRINDER-FLAT SURFACES	USN		USA
<b>PATTERNMAKING</b>			
DESIGNING A PATTERN FOR A WATER-COOLED MOTOR BLOCK	USOE	COMPRESSION MOLDING, PT 1, PREPARING THE CHARGE AND LOADING THE MOLD	USOE
DESIGNING CORE BOXES FOR A WATER-COOLED MOTOR BLOCK	USOE	COMPRESSION MOLDING, PT 2, MOLDING A SIMPLE PART	USOE
MAKING A CORE BOX FOR A FLANGED PIPE ELBOW	USOE	DAMAGE CONTROL - PLASTIC REPAIRS	USN
MAKING A CORE BOX FOR A MACHINE BASE	USOE	FINISHING MOLDED PARTS	USOE
MAKING A CORE BOX FOR A TAIL PRINT	USOE	INJECTION MOLDING, PT 1, SETTING UP THE PRESS AND MOLDING A PART	USOE
MAKING A CORE BOX FOR A VERTICAL CORE	USOE	INJECTION MOLDING, PT 2, CLEANING AND SERVICING THE PRESS	USOE
MAKING A MASTER CONTOUR TEMPLATE	USOE	MACHINING LAMINATED PLASTICS	USOE
MAKING A MASTER DEVELOPED LAYOUT, AND MAKING THE FORM BLOCK, PT 2	USOE	METHODS OF PROCESSING PLASTICS MATERIALS	USOE
MAKING A MASTER DEVELOPED LAYOUT, PT 1	USOE	- ORIGIN AND SYNTHESIS OF PLASTICS MATERIALS	USOE
MAKING A MATCHBOARD PATTERN	USOE	REINFORCED PLASTICS-INSPECTION AND QUALITY CONTROL	USN
MAKING A ONE-PIECE FLAT PATTERN	USOE	REINFORCED PLASTICS, INTRODUCTION	USOE
MAKING A PATTERN FOR A FLANGED PIPE ELBOW	USOE	SEMI-AUTOMATIC AND HAND MOLDING OF INTRICATE PARTS	USOE
MAKING A PATTERN FOR A MACHINE MOLDED STEEL GLOBE AND ANGLE VALVE	USOE	TRANSFER MOLDING - MOLDING A PART WITH INSERTS	USOE
MAKING A PATTERN FOR A THREE-PART MOLD	USOE		
MAKING A PATTERN REQUIRING A COVER CORE	USOE	<b>REFRIGERATION</b>	
MAKING A PATTERN REQUIRING BOX CONSTRUCTION	USOE	ADDING OR REMOVING REFRIGERANT	USOE
MAKING A PATTERN REQUIRING SEGMENTAL CONSTRUCTION	USOE	ADJUSTING AND CHECKING THE EXPANSION VALVE	USOE
MAKING A PATTERN USING A GREEN AND A DRY SAND CORE	USOE	ADJUSTING AND REPAIRING THE THERMO EXPANSION VALVE	USOE
MAKING A PATTERN WITH A HORIZONTAL CORE	USOE	ADJUSTING COMMERCIAL THERMOSTATIC CONTROLS	USOE
MAKING A PATTERN WITH A TAIL PRINT	USOE	ADJUSTING PRESSURE ACTUATED TEMPERATURE CONTROL DEVICES	USOE
MAKING A PATTERN WITH A VERTICAL CORE	USOE	CENTRIFUGAL AIR CONDITIONING EQUIPMENT - PRINCIPLES AND OPERATIONS	USN
MAKING A SEGMENTED PATTERN	USOE	CHECKING AND REPLACING A FLOAT VALVE	USOE
MAKING PATTERN, CORE BOXES, AND ASSEMBLING CORES FOR A WATER-COOLED MOTOR BLOCK	USOE	CHECKING THE SYSTEM, PT 1, GENERAL PROCEDURE	USOE
REDESIGNING A PATTERN FOR PRODUCTION PURPOSES	USOE	CHECKING THE SYSTEM, PT 2, TROUBLE SHOOTING	USOE
<b>PHOTOGRAPHY</b>			
AIR FORCE CAMERAS IN ACTION	USAF	LOCATING AND REPAIRING LEAKS	USOE
ARMY RESEARCH AND DEVELOPMENT - FILM REPORT NO. 34 - SEEING THE UNSEEABLE	IUSA	MAKING AND REPAIRING TUBING CONNECTIONS	USOE
BASIC CAMERA, THE	USN	MECHANICAL REFRIGERATION - HOW IT WORKS	USN
BASIC MAP READING, PT 5, PHOTOS AND PHOTOMAPS	USA	PRINCIPLES OF REFRIGERATION	USOE
DEVELOPING THE NEGATIVE	USN	QUIETING A NOISY REFRIGERATOR	USOE
ELEMENTARY OPTICS IN PHOTOGRAPHY	USN	REFRIGERATION - COMPRESSOR CONTROLS	USN
		REFRIGERATION - CONDENSER CONTROLS	USN
		REFRIGERATION - EVACUATING AND CHARGING	USAF

\* INDICATES NEW ENTRY

**INDUSTRIAL ARTS**  
**REFRIGERATION - (Continued)**

REFRIGERATION EVAPORATOR CONTROLS	USN	SPOT WELDING	USOE
REFRIGERATION - INTRODUCTION TO CONTROL MECHANISMS	USN	WOODWORKING	
REFRIGERATION - PRINCIPLES OF MECHANICAL REFRIGERATION	USAF	* ALL WEATHER WOOD FOUNDATIONS	USDA
REMOVING AND INSTALLING A COMPRESSOR OR CONDENSER	USOE	BEVELING, MITERING, RABBETING AND DADOING	USOE
REMOVING AND INSTALLING A COOLING UNIT	USOE	BEVELING, STOP CHAMFERING AND TAPERING SQUARE STOCK	USOE
SERVICING WATER-COOLED CONDENSERS	USOE	BUILDING A BOX BEAM SPAR	USOE
		BUILDING A WOODEN RIB	USOE
		CARBIDE WOODWORKING TOOLS - CARE GRINDING	USN
		CARBIDE WOODWORKING TOOLS - HOW TO USE	USN
<b>SOLDERING</b>	USOE	CENTERING SMALL STOCK	USOE
HAND SOLDERING (SPANISH)	USOE	CUTTING COVE MOLDING AND A COREBOX	USOE
HIGH FREQUENCY SOLDERING	USOE	CUTTING GROOVES WITH CIRCULAR SAW BLADES	USOE
MAKING A WRAPPED AND SOLDERED SPLICE	USOE	CUTTING TENONS AND SEGMENTS	USOE
TINNING AND SOLDER WIPIING	USOE	FACE PLANING UNEVEN SURFACES	USOE
USE OF SOLDERING COPPERS, THE	USN	FACE TURNING A COLLAR	USOE
		FITTING AND SCRAPING SMALL BEARINGS	USOE
<b>TECHNICAL MEASUREMENT</b>	USNBS	JOINTING AN EDGE FOR GLUING - INSTALLING KNIVES	USOE
ASSIGNMENT - WEIGHTS AND MEASURES	USOE	JOINTING EDGES AND ENDS 90 DEGREES TO FACE	USOE
BEVEL PROTRACTOR, THE	USNBS	LAYING OUT AND FORMING PLYWOOD	USOE
CALIBRATION OF THE PLATINUM RESISTANCE THERMOMETER	USA	MAKING A MATCHBOARD PATTERN	USOE
CARPENTRY, PT 01, MEASURING, MARKING AND LEVELING TOOLS	USOE	MAKING A ONE-PIECE FLAT PATTERN	USOE
FIXED GAGES	USOE	MAKING A PATTERN FOR A FLANGED PIPE ELBOW	USOE
GAGE BLOCKS AND ACCESSORIES	USOE	MAKING A PATTERN FOR A MACHINE MOLDED STEEL GLOBE AND ANGLE VALVE	USOE
HEIGHT GAUGES AND TEST INDICATORS	USOE	MAKING A PATTERN FOR A THREE-PART MOLD	USOE
MEASUREMENT WITH LIGHT WAVES	USA	MAKING A PATTERN REQUIRING A COVER CORE	USOE
MICROMETER, THE	USOE	MAKING A PATTERN REQUIRING BOX CONSTRUCTION	USOE
MICROMETER, THE (SPANISH)	USOE	MAKING A PATTERN REQUIRING SEGMENTAL CONSTRUCTION	USOE
PRACTICAL PROCEDURES OF MEASUREMENT	USOE	MAKING A PATTERN USING A GREEN AND A DRY SAND CORE	USOE
PRECISION GAGE BLOCKS	USA	MAKING A PATTERN WITH A HORIZONTAL CORE	USOE
STEEL RULE	USOE	MAKING A PATTERN WITH A TAIL PRINT	USOE
STEEL RULE (SPANISH)	USOE	MAKING A PATTERN WITH A VERTICAL CORE	USOE
TESTING MASS STANDARDS BY SUBSTITUTION	USNBS	MAKING A SEGMENTED PATTERN	USOE
TRUE STANDARD, A	USNBS	MAKING PATTERN, CORE BOXES, AND ASSEMBLING CORES FOR A WATER-COOLED MOTOR BLOCK	USOE
UNDERSTANDING THE PHYSICAL WORLD THROUGH MEASUREMENT	USNBS	PLANING A DOVETAIL SLIDE	USOE
VERNERS	USOE	PLANING A FLAT SURFACE	USOE
		PLANING A FLAT SURFACE (SPANISH)	USOE
<b>WATER TREATMENT</b>		PLANING ROUGH SURFACES TO DIMENSIONS	USOE
GRISCOM-RUSSELL - HOW IT WORKS, PT 1	USN	RABBETING AND SHAPING AN EDGE ON STRAIGHT STOCK	USOE
GRISCOM-RUSSELL - HOW IT WORKS, PT 2	USN	REAMING WITH STRAIGHT HAND REAMERS	USOE
NEW WATER FOR A THIRSTY WORLD	USCSW	REAMING WITH TAPER HAND REAMERS	USOE
VAPOR COMPRESSION DISTILLING UNITS - HOW THEY WORK AND HOW TO OPERATE THEM	USN	REDESIGNING A PATTERN FOR PRODUCTION PURPOSES	USOE
WATER PURIFICATION, INTRODUCTION	USN	RIPPING AND CROSSCUTTING	USOE
WATER, FRIEND OR ENEMY	USCIAA	RIPPING AND CROSSCUTTING (SPANISH)	USOE
<b>WELDING</b>	USOE		
GUIDED BEND TEST, THE INERT GAS SHIELDED ARC WELDING MACHINE - OPERATION AND MAINTENANCE	USA		
MANUAL CUTTING A BEVEL - FREEHAND	USOE		
MANUAL CUTTING A SHAPE - FREEHAND GUIDED	USOE		
MANUAL CUTTING TO A LINE - FREEHAND	USOE		
OXY-ACETYLENE WELDING - LIGHT METAL	USOE		

\* INDICATES NEW ENTRY

## **INDUSTRIAL ARTS**

## **WOODWORKING – (Continued)**

SANDING FLAT AND IRREGULAR SURFACES	USOE	*HOOK DOWN, WHEELS DOWN, PTS 1 AND 2	USN
SAWING A REVERSE CURVE AND A BEVEL REVERSE CURVE	USOE	IN A TRADITION OF HEROES	USMC
SAWING WITH JIG AND CHANGING BAND	USOE	INTERNATIONAL NAVAL REVIEW	USN
SCRAPING FLAT SURFACES	USOE	INVASION BY OIL	USAE
SHAPER, THE	USOE	LAND THE LANDING FORCE - THE HISTORY OF MARINE AMPHIBIOUS OPERATIONS	USMC
SHAPER, THE (SPANISH)	USOE	MAN IN THE SEA - STORY OF SEA LAB 2	USN
SHAPING AFTER TEMPLATE AND SHAPING CURVED EDGES	USOE	*MEN OF THE SEA	USN
TURNING A CYLINDER BETWEEN CENTERS	USOE	MEN WITH GREEN FACES	USN
TURNING TAPER WORK	USOE	MISSION OCEANOGRAPHY	USN
TURNING WORK IN A CHUCK	USOE	NAVAL WARS WITH FRANCE AND TRIPOLI, THE	USN
TURNING WORK ON A FACE PLATE	USOE	NUCLEAR NAVY, THE	USN
WOOD PRESERVATION - CONTROL OF WOOD DESTROYING ORGANISMS	USN	NUCLEAR SHIP SAVANNAH, THE	USAEC
WOOD PRESERVATION - INSPECTION FOR WOOD DESTROYING ORGANISMS	USN	NUCLEAR SHIP SAVANNAH, THE ON FOREIGN SHORES	USAEC
		ORIGINS OF THE MOTION PICTURE POLARIS TO POSEIDON	USCG
		READY - STORY OF THE MARINE CORPS RESERVES	USN
		RISE OF THE SOVIET NAVY, THE SEA POWER - A DESTINY UPON THE WATERS	USMC
		SEA POWER - SEAS OF LIBERTY	USN
		SEA POWER IN THE PACIFIC	USN
		SEAPOWER - PLYMOUTH ROCK TO POLARIS	USN
		SEVENTH FLEET, THE	USN
		SMALL BOAT NAVY, THE	USN
		TAKE 'ER DOWN	USN
<b>MARINE</b>			
<b>ENGINEERING</b>			
DAMAGE CONTROL - EFFECTS OF WEIGHT ON STABILITY, PT 1, SHIFT OF WEIGHT	USN	BOILER REPAIR, WATER SIDE - CLOSING THE BOILER	USN
DAMAGE CONTROL - EFFECTS OF WEIGHT ON STABILITY, PT 2, WEIGHT CONDITIONS	USN	BOILER REPAIR, WATER SIDE - INTRODUCTION	USN
DAMAGE CONTROL - ELEMENTS OF STABILITY IN SHIPS	USN	BOILER REPAIR, WATER SIDE - REMOVING BOILER TUBES	USN
DAMAGE CONTROL - LIST AND STABILITY AFTER DAMAGE, PT 1, ESTIMATING THE SITUATION	USN	BOILER REPAIR, WATER SIDE - REPLACING BOILER TUBES	USN
DAMAGE CONTROL - LOOSE WATER IN STABILITY, PT 1, IN INTACT SPACES	USN	BOILER REPAIRS, FIRE SIDE - BUILDING WALLS AND FLOORS	USN
DAMAGE CONTROL - LOOSE WATER IN STABILITY, PT 2, IN SPACES OPEN TO THE SEA	USN	BOILER REPAIRS, FIRE SIDE - HIGH TEMPERATURE CASTABLE REFRACTORIES	USN
DAMAGE CONTROL - THE METACENTER IN STABILITY, PT 1	USN	BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC CHROME	USN
DAMAGE CONTROL - THE METACENTER IN STABILITY, PT 2	USN	BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC FIRE BRICK	USN
INTRODUCTION TO ENVIRONMENTAL ENGINEERING	USN	*BOILERS AND THEIR OPERATION - ALKALINITY TEST	USN
LAYING OFF BULKHEADS	USOE	*BOILERS AND THEIR OPERATION - BOILER WATER SAMPLING	USN
LAYING OUT AND INSTALLING COMPARTMENT FIXTURES	USCE	*BOILERS AND THEIR OPERATION - PHOSPHATE TEST	USN
LAYING OUT AND INSTALLING HANGERS	USOE	CONVERSION FROM BLACK OIL TO DIESEL FUEL - NAVY IMPROVED METHOD	USN
SHIPBOARD VIBRATIONS, PT 3, VIBRATION, EXCITATION, AND RESPONSE	USN	CONVERSION FROM BLACK OIL TO GASOLINE - NAVY CHEMICAL METHOD	USN
TOWER TO THE SKY	USCG	INSPECTION AND PREPARATORY STEPS	USN
VALUE ENGINEERING - MORE SHIPS FOR LESS MONEY	USN	INSPECTION OF PISTON	USN
		MAINTENANCE TANK CLEANING - BUTTERWORTH METHOD	USN
		MARINE GAS-TURBINE ENGINE - TROUBLE SHOOTING	USN
		MERCHANT MARINE SAFETY	USCG
<b>HISTORY</b>			
ADMIRAL BURKE TAKES COMMAND	USN		
ATTACK CARRIER - TASK FORCE 1 - SEA ORBIT	USN		
COAST GUARD AUXILIARY	USCG		
COAST GUARD CUTTERS AROUND THE CONTINENT	USCG		
COAST GUARD ICEBREAKERS	USCG		
COAST GUARD LIGHTHOUSES	USCG		
COASTAL SEARCH AND RESCUE	USCG		
COLD WAR CALLUP - THE NAVY'S SELECTED RESERVE	USN		
GREYHOUNDS OF THE SEA	USN		

\* INDICATES NEW ENTRY

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**MARINE  
NAVIGATION - (Continued)**

**NAVIGATION**

- \* AIDS TO NAVIGATION FOR BOATMEN
- ASTRONOMICAL TRIANGLE, THE BIG RIVER
- BUOYS AND BEACONS CHARTS
- COAST GUARD CUTTERS AROUND THE CONTINENT
- COAST GUARD IN ALASKA
- COAST GUARD LIGHTHOUSES
- COMPASS SYSTEM, THE
- DAY'S WORK OF A NAVIGATOR AT SEA
- DAY'S WORK OF A NAVIGATOR IN PILOT WATERS
- DEAD RECKONING--PLOTTING, AND CELESTIAL LINES OF POSITION
- \* FLYING THE WEATHER MAP - WEATHER FOR THE NAVIGATOR HOW TO USE NAVIGATIONAL AIDS
- \* ICE
  - INVASION BY OIL
  - LIGHTHOUSES AND LIGHTSHIPS
  - LIGHTS, RUNNING AND ANCHOR NAUTICAL ASTRONOMY
- \* NAVIGATION RETURNS TO THE ARKANSAS
  - NIGHT PILOTING, SURFACE
  - PILOTING, SURFACE
  - REAL AND APPARENT MOTIONS
  - RELATIVE MOVEMENT, PT 1, - RELATIVE MOVEMENT AND INTERCEPTION
  - RELATIVE MOVEMENT, PT 2, OUT AND IN SEARCH, RELATIVE WIND
  - RULES OF THE NAUTICAL ROAD - INTRODUCTION
  - SPECIAL LIGHTS
  - STAR IDENTIFICATION
  - TIME
  - TOWBOATS A'COMIN'

**RESEARCH**

- AIRBORNE OCEANOGRAPHY - OCEANOGRAPHER OF THE NAVY
- BATHYMETRY - DISCOVERING THE OCEAN FLOOR - CHARTING THE OCEAN BOTTOM
- DOLPHINS THAT JOINED THE NAVY, THE
- \* FILM TACTICS
  - FOOTPRINTS IN THE SEA
  - GREYHOUNDS OF THE SEA
  - MAN IN THE SEA - STORY OF SEA LAB 2
  - NATURE OF SEA WATER
  - NAVY AND SCIENCE, THE
  - NAVY PHOTOGRAPHY IN SCIENCE
  - NUCLEAR NAVY, THE
  - OCEAN PHENOMENON - THE DEEP SCATTERING LAYER
  - OCEANOGRAPHIC PREDICTION SYSTEM
  - OCEANOGRAPHIC RESEARCH WITH THE COUSTEAU DIVING SAUCER
  - OCEANOGRAPHY-SCIENCE FOR SURVIVAL
  - ON THE ICE
- \* OPERATION CROSSROADS
  - PLANES IN THE SKY, SHIPS IN THE SEA
  - PORTRAIT OF ANTARCTICA
  - SCIENTIST IN THE SEA
  - SEALAB I

\* SIXTY DAYS BENEATH THE SEA -

TEKTITE I

USN

\* SOUNDS ON THE SEA

USN

TALKING WITH DOLPHINS

USN

TIDAL POWER

USAE

TIME LAPSE STUDY OF ANTARCTIC

ICE FLOES AND TIDAL CURRENTS

USN

TOWBOATS A'COMIN'

USAE

\* UNDERSEA EXPLORER

USN

VIBRATION PROBLEMS IN THE

DESIGN OF SHIPBOARD

USN

ELECTRONIC EQUIPMENT

USN

WORLD WIDE NAVAL OPERATIONS IN

PEACE AND WAR, 1815-1860

USN

**RULES OF THE ROAD**

BEAVER SELJA INCIDENT, THE

USN

CITY OF ROME INCIDENT

USN

CROSSING AT NIGHT

USN

CROSSING STEAM VESSELS

USN

HALIFAX INCIDENT THE

USN

LEGAL REQUIREMENTS FOR

BOATMEN

USCG

USAE

USN

USN

USAF

USAE

USN

**MARINE  
SEAMANSHIP -- (Continued)**

LIFEBOATS UNDER GRAVITY DAVITS - LAUNCHING BOATS	USN	WATERLINES, AND BUTTOCK LINES	USOE
LIFEBOATS UNDER GRAVITY DAVITS - RECOVERING BOATS	USN	BULKHEAD, THE - SETTING A TRANSVFRSE WATERTIGHT BULKHEAD INTO THE HULL	USOE
MAINTENANCE TANK CLEANING - BUTTERWORTH METHOD	USN	COPPERSMITH, THE - FLARING AND REDUCING	USN
MEN WITH GREEN FACES	USN	COPPERSMITH, THE - WORKING OUT BRANCHES FROM A LINE	USN
NAVY STANDARD SWIMMING TEST AND ABANDONING SHIP DRILLS	USN	COVERING HOT AND COLD PIPES	USOE
RIGGING BLOCKS	USN	CUTTING AND THREADING PIPE BY HAND	USOE
RIGID AND SWINGING STAGING	USN	CUTTING AND THREADING PIPE ON A POWER MACHINE	USOE
SEA POWER - THE SEA IS A SPECIAL PLACE	USN	DECK GIRDERS - SUBASSEMBLY	USOE
USE AND CARE OF FIBER ROPE	USN	DECK PLATES - REGULATING AND SETTING	USOE
USE AND CARE OF WIRE ROPE	USN	DECK, THE - SETTING A WEB FRAME AND A TRANSVERSE BEAM	USOE
*USEFUL KNOTS FOR BOATMEN	USCG	DOCKING WITH KEEL AND BILGE BLOCKS	USN
WIRE ROPE TERMINAL CONNECTIONS	USN	ESTABLISHING CONSTRUCTION LINES, PT 1	USN
<b>SEARCH AND RESCUE</b>		ESTABLISHING CONSTRUCTION LINES, PT 2	USN
ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, LIFTING DEVICES, SHORING	USN	FILING AND INSTALLING CHOCKS	USOE
ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, RIGGING, BREACHING WALLS, TUNNELING	USN	FITTING AND INSTALLING A SECTION OF PIPE ABOARD SHIP	USN
*AMVER - LIFESAVER COMPUTER OF THE SEAS	USCG	FITTING TUBE, SHAFT, AND PROPELLER	USOE
*AMVER-AUTOMATED MERCHANT VESSEL REPORTS	USCG	FLOATING DRYDOCKS - CAREENING THE YFD-6	USN
COAST GUARD CUTTERS AROUND THE CONTINENT	USCG	FUNDAMENTAL LINES AND SECTIONS	USN
COAST GUARD IN ALASKA	USCG	HOW TO CHECK AND SURFACE FOUNDATIONS	USOE
COASTAL SEARCH AND RESCUE	USCG	IDENTIFYING AND PRECUTTING CABLE	USOE
EIGHT MISSION, THE	USCG	INNERBOTTOM SECTIONS - SUBASSEMBLY OF A CLOSED FLOOR, SUBASSEMBLY OF AN OPEN FLOOR	USOE
FIREFIGHTING - SAFETY ABOARD TANKERS	USCG	INNERBOTTOM, THE - SETTING UP FLOORS AND LONGITUDINALS	USOE
FIREFIGHTING ABOARD TANKERS	USCG	INSTALLING AND CONNECTING TELLTALE PANEL	USOE
*ICE	USCG	INSTALLING VALVES AND STRAINER ON SEA CHEST	USOE
INTERNATIONAL ICE PATROL	USIA	INSTALLING VALVES IN ENGINE ROOM SYSTEMS, PT	USOE
MEETING AT NIGHT	USN	INSTALLING VALVES IN ENGINE ROOM SYSTEMS, PT	USOE
READY ON OCEAN STATION NOVEMBER	USCG	INSTALLING VITREOUS FIXTURES	USOE
SEARCH AND RESCUE - PLEASURE CRAFT	USCG	LAVING OFF BULKHEADS	USOE
SEARCH AND RESCUE - VISUAL ASPECTS OF SEARCH AND SIGNALLING	USN	LAVING OUT AND INSTALLING COMPARTMENT FIXTURES	USOE
SHIPBOARD HELICOPTER OPERATIONS - LANDING AND TAKE-OFFS	USN	LAVING OUT AND INSTALLING HANGERS	USOE
SHOULD THE DAY EVER COME	USCG	LAVING OUT AND INSTALLING KICKPIPES AND STUFFING TUBES	USOE
SMALL BOAT IN THE TIME BOMB IN THE TROPIC SEAS	USN	LAVING OUT AND INSTALLING MAIN WIREWAY	USOE
TROPIC SEAS/ACT SURVIVAL	USAEC	LAVING OUT, DRILLING AND TAPPING FLANGES ON SEA CHEST	USOE
	USAF	LIFTING TEMPLATES FOR A FOUNDATION	USN
<b>SHIPBUILDING</b>		MAKING A COLD BEND ON A HAND POWERED MACHINE	USOE
ALIGNING AND INSTALLING AUXILIARY MACHINERY	USOE	MAKING A WIRE TEMPLATE	USN
BENDING COPPER TUBING TO A WIRE TEMPLATE	USOE	MEASURING PIPE, TUBING AND FITTINGS	USOE
BENDING OAK TECHNIQUES	USN	MECHANICAL PACKING ABOARD SHIP	USN
BLACKSMITH, THE - CALCULATING AND BENDING RINGS AND LINKS, THE	USN	PIPE FABRICATION WITH JIGS	USOE
B'ACKSMITH, THE - CALCULATING AND FORGING A DECK SOCKET WRENCH	USN		
BRAZING FLANGES WITH SILVER SOLDER	USOE		
BRAZING FLANGES WITH SPELTER	USOE		
BULKHEAD, THE - LAYING OFF AND FITTING A CENTERLINE STIFFENER	USOE		
BULKHEAD, THE - LAYING OFF THE BOUNDARY STIFFENERS,			

\* INDICATES NEW ENTRY

PREPARATION FOR DOCKING WITH KEEL AND BILGE BLOCKS	USN	EYES AND EARS OF THE MEDICAL WORLD, THE	USNMAC
PREPARING AND SETTING A KEELBLOCK AND BOTTOM CRADLE	USOE	*FEMORAL TRIANGLE	SL USNMAC
PULLING AND INSTALLING CABLE AND PACKING TERMINAL TUBES	USOE	*FEMORAL TRIANGLE (REVIEW VERSION)	SL USNMAC
RECIPROCATING PUMP OPENING FOR INSPECTION	USN	FLEXION EXERCISES IN THE MANAGEMENT OF LOWBACK MECHANICAL DISORDERS	USVA
RECONDITIONING A CYLINDER WITH A PORTABLE BORING BAR	USN	FRACTURES ABOUT THE ELBOW	USVA
REMOVING A SECTION OF PIPING ABOARD SHIP	USN	FRACTURES ABOUT THE KNEE	USVA
RUNNING A PERMANENT LINE AND BORING	USN	FRACTURES ABOUT THE WRIST AND HAND	USVA
RUNNING A TEMPORARY LINE	USOE	FRACTURES OF THE FEMUR ABOUT THE HIP JOINT	USVA
SHIP'S BLUEPRINTS - BASIC	USOE	FRACTURES OF THE HEAD AND SHAFT OF THE HUMERUS	USVA
SHIPBUILDERS OF ESSEX	USN	FRACTURES OF THE LEG AND ANKLE JOINT	USVA
SIDE FRAMES - SUBASSEMBLY OF A WEB FRAME	USDS	FRACTURES OF THE SHAFT OF THE FEMUR	USVA
SIMPLE FOUNDATION, PT 1, LAYOUT	USOE	FRACTURES OF THE SHAFT OF THE RADIUS AND Ulna	USVA
SIMPLE FOUNDATION, PT 2, DUPLICATION AND FABRICATION	USN	GLAUCOMA FOR ALL PHYSICIANS	USNMAC
SIMPLE FOUNDATION, PT 3, ASSEMBLY AND INSTALLATION	USN	HIGH ALTITUDE, HIGH SPEED, FLIGHT PROBLEMS - PHYSIOLOGICAL EFFECTS	USN
<b>SUBMARINE</b>		HUMAN BODY	USOIAA
ADVENTURES IN INNER SPACE	USN	*INCISION AND IRRIGATION OF TRAUMATIC CATARACT	USA
AWAY BOARDERS	USN	INDENTATION TONOMETRY TECHNIQUE IN GLAUCOMA	USNMAC
FORTY-ONE FOR FREEDOM - A FLEET IS BUILT	USN	DETECTION	USNMAC
LAND BENEATH THE SEA, THE	USN	LABORATORY ASPECT OF DISEASES OF THE TESTICLE, THE	USNMAC
MAN AND THE FBM	USN	MASSETER, TEMPORAL MUSCLES AND TEMPORAL FASCIA	USVA
NAUTILUS CROSSES THE TOP OF THE WORLD, THE	USIA	MECHANISMS OF THE INTRINSIC MUSCLES OF THE LARYNX	USNMAC
NUCLEAR NAVY, THE	USN	NEW DIAGNOSTIC PROCEDURES IN THE DIAGNOSIS OF PITUITARY DISEASE	USNMAC
POLAR'S TO POSEIDON	USN	NEW IDEAS ABOUT AN OLD DISEASE - DIABETES MELLITUS	USNMAC
POLARIS, BLUE AND GOLD	USN	NOSE, THE	USNMAC
SUBMARINE, PT 2, CONSTRUCTION, THE	USN	PAROTID GLAND AND FACIAL NERVE	USVA
SUBMARINE, PT 3, DRIVING AND SURFACING, THE	USN	PAROTID GLAND AND FACIAL NERVE, THE	USVA
TAKE 'ER DOWN	USN	PATHOPHYSIOLOGY OF PANCREATIC INFLAMMATION, THE	USNMAC
USS NAUTILUS - OPERATION SUNSHINE	USN	PHARYNX TOPOGRAPHICAL ANATOMY, THE	USVA
WEAPOONEERS OF THE DEEP	USN	RADIOTHERAPY--HIGH DOSAGE TREATMENT	USOE
<b>MEDICINE</b>		SENSORY CONDUCTION STUDIES - MEDIAN NERVE	USNMAC
<b>ANATOMY</b>	SL	SILENT WORLD, MUZZLED WORLD	USNMAC
*BREAST DISEASES, THEIR IMPORTANCE ON YOUR DAILY PRACTICE	USNMAC	*SUBCORNEAL PUSTULAR DERMATOSIS	ILDS
CAROTID TRIANGLE	USVA	SUCTION BIOPSY OF THE GASTROINTESTINAL MUCOSA	USNMAC
*CAROTID TRIANGLE, THE	USVA	TESTIS TUMORS	USNMAC
CHOLERA TODAY--BEDSIDE EVALUATION AND TREATMENT	USNMAC	*VERMILONECTOMY	USA
CLINICAL TONOMETRY	USNMAC	VISION IN MILITARY AVIATION - ILLUSIONS	USN
COLOR VISION DEFICIENCIES - DEFINITION AND EVALUATION	USN	VISION IN MILITARY AVIATION - SENSE OF SIGHT	USN
DIAGNOSIS OF PANCREATIC DISEASE	USNMAC	VITAL SIGNS AND THEIR INTERRELATION, THE - BODY TEMPERATURE, PULSE, RESPIRATION,...	USOE
DISSECTION OF THE BLOCK OF ORGANS - DISSECTION OF ADRENALS, AORTA, AND ...	USNMAC	VITAL SIGNS, PT . CARDINAL SYMPTOMS	USN
DISSECTION OF THE HEART	USNMAC	<b>ANESTHESIOLOGY</b>	
DISSECTION OF THE MALE PELVIC ORGANS AND KIDNEYS	USNMAC	SPECIAL EYE CARE FOR BURNS	USA
DISSECTION OF THE PARATHYROID AND THYROID GLANDS	USNMAC		
DISSECTION OF THE THORACIC DUCT	USNMAC		
EARS, THE	USNMAC		
EMBRYOLOGY OF THE LIVER, GALLBLADDER, AND PANCREAS	USA		

\* INDICATES NEW ENTRY

# MEDICINE

## BACTERIOLOGY - (Continued)

### BACTERIOLOGY

AIR SAMPLING FOR MICROBIOLOGICAL PARTICULATES	USPHS	*MARKET CATTLE TESTING FOR BRUCELLOSIS	USDA
AIRBORNE TRANSMISSION OF TUBERCLE BACILLI	USNMAC	METHODS FOR OBTAINING ANAEROBIASTIS	USNMAC
*BACK THE ATTACK ON BRUCELLOSIS	USDA	METHODS FOR THE ISOLATION OF SALMONELLA FROM HUMAN FOOD AND ANIMAL FEEDS	USNMAC
*BRUCELLOSIS RING TEST	USDA	MICRO-TECHNIQUES IN SEROLOGY	USNMAC
CATALASE TEST, THE CHOLERA EPIDEMIC IN SOUTH VIETNAM	USNMAC	MICROORGANISMS OF GAS GANGRENE	USNMAC
CHOLERA TODAY--BEDSIDE EVALUATION AND TREATMENT	USNMAC	MICROSCOPIC STUDY AND ISOLATION OF C DIPHTHERIAE	USNMAC
*CLINICAL MANIFESTATIONS OF LEPROSY	FS USNIMH	NIACIN-NITRATE REDUCTION TEST	USNMAC
DETECTION OF C. BOTULINUM IN FOOD, PT 1, - PREPARATION OF FOOD SAMPLES AND DIRECT ...	USNMAC	*ONE BUG IS TOO MANY	USDA
DETECTION OF C. BOTULINUM IN FOOD, PT 2, - MOUSE TOXIN NEUTRALIZATION TEST	USNMAC	*OUTBREAK	USDA
DETECTION OF C. BOTULINUM IN FOOD, PT 3, - ISOLATION FROM MIXED CULTURE	USNMAC	OUTBREAK OF SALMONELLA INFECTION, AN	USNMAC
DETECTION OF ENTEROPATHOGENIC ESCHERICHIA COLI	USNMAC	OUTBREAK OF SALMONELLA INFECTION, AN (SPANISH)	USNMAC
DETERMINATION OF TYPES OF C. DIPHTHERIAE	USNMAC	OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN	USNMAC
*DISSEMINATED ANERGIC LEISHMANIASIS	ILDS	OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN (SPANISH)	USNMAC
EPIDEMIOLOGY OF SALMONELLOSIS IN MAN AND ANIMAL	USNMAC	PLAQUE CONTROL	USN
EPIDEMIOLOGY OF STAPHYLOCOCCAL INFECTIONS	USNMAC	PLAQUE IN SYLVATIC AREAS	USNMAC
ERYTHROCYTE TRANSKETOLASE ACTIVITY	USVA	PRACTICAL VIEW OF SYPHILIS, A PREPARATION OF A CULTURE MEDIUM	USNMAC
ERYTHROCYTIC STAGES OF PLASMODIUM VIVAX	USNMAC	PREPARATION OF SPUTUM SPECIMENS	USNMAC
*EXPOSED	USDA	PRESERVATION OF BACTERIA BY DESICCATION IN VACUO	USNMAC
FILARIASIS IN BRITISH GUIANA	USNMAC	PREVENTION AND CONTROL OF STAPHYLOCOCCAL INFECTIONS	USNMAC
GERMFREE ANIMALS IN MEDICAL RESEARCH	USNMAC	RECOGNITION OF LEPROSY	USNMAC
IDENTIFICATION OF EARLY SYPHILIS	USNMAC	RECOGNITION OF LEPROSY (SPANISH)	USNMAC
IDENTIFICATION OF EARLY SYPHILIS (SPANISH)	USNMAC	*SIMPLIFIED SEROLOGIC IDENTIFICATION OF SALMONELLA CULTURES	FS USNMAC
INFECTIOUS DIARRHEAS, THE INFECTIOUS DIARRHEAS, THE (SPANISH)	USPHS	SPUTUM DIGESTION AND DECONTAMINATION WITH N-ACETYL-L-CYSTEINE NOAH	USNMAC
INFECTIOUS HAZARDS OF BACTERIOLOGICAL TECHNIQUES	USNMAC	STAPHYLOCOCCAL INFECTION	USNMAC
ISOLATION AND IDENTIFICATION OF BETA HEMOLYTIC STREPTOCOCCI	USNMAC	STREPTOCOCCAL INFECTIONS	USNMAC
ISOLATION AND IDENTIFICATION OF ENTERIC BACTERIA	USNMAC	STUDIES IN BACTERIOLOGY, - PT 2, MOTILITY	USNMAC
ISOLATION AND IDENTIFICATION OF MYCOPLASMA PNEUMONIA - EATON AGENT	USNMAC	STUDIES IN BACTERIOLOGY, PT 3, CELL DIVISION	USNMAC
ISOLATION AND IDENTIFICATION OF SALMONELLA	USNMAC	SURFACE SAMPLING FOR MICROORGANISMS 'RODAC METHOD)	USNMAC
ISOLATION AND IDENTIFICATION OF SHIGELLAE	USNMAC	SURFACE SAMPLING FOR MICROORGANISMS (SWAB METHOD)	USNMAC
*ISOLATION AND PRELIMINARY IDENTIFICATION OF CULTURES	FS USNMAC	TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 2	USNMAC
ISOLATION OF SALMONELLA AND SHIGELLA CULTURES	USNMAC	TOXIGENICITY TEST OF C DIPHTHERIAE	USNMAC
LABORATORY METHODS FOR AIRBORNE INFECTION, PT 1 - THE CLOUD CHAMBER	USNMAC	TUBERCULIN TESTING	USN
LABORATORY METHODS FOR AIRBORNE INFECTION, PT 2, - THE HENDERSON APPARATUS	USNMAC	TUBERCULIN TESTING, PT 1, TUBERCULINS	USNMAC
LEPTOSPIROSIS	USNMAC	TUBERCULIN TESTING, PT 1, TUBERCULINS (SPANISH)	USNMAC
LIFE HISTORY OF THE ROCKY MOUNTAIN WOOD TICK	USNMAC	TUBERCULIN TESTING, PT 2, ADMINISTRATION TECHNIQUES	USNMAC
MANAGEMENT OF THE LEPROSY PATIENT	USNMAC	*TYPHOID CARRIER, THE VDRL TESTS FOR SYPHILIS	USIIAA
		WHAT IS DISEASE - UNSEEN ENEMY	USNMAC
		WHAT IS DISEASE - UNSEEN ENEMY (SPANISH)	USIA
		<b>BIOLOGY AND ZOOLOGY</b>	
		AEDES AEGYPTI TV SPOTS	USNMAC
		*AFRICAN HORSE SICKNESS	USDA

\* INDICATES NEW ENTRY

# MEDICINE

## BIOLOGY AND ZOOLOGY - (Continued)

AREA POISONING (REV ED)	USNMAC	PROCEDURES, PT 1, RESIDUAL SPRAYING	USNMAC
*BACK THE ATTACK ON BRUCELLOSIS	USDA	SPRAYING EQUIPMENT AND PROCEDURES, PT 1, RESIDUAL SPRAYING (FRENCH)	USNMAC
BIOLOGY AND CONTROL OF DOMESTIC FLIES, THE	USPHS	*STAMP OUT HOG CHOLERA	USDA
BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES	USPHS	*STAMP OUT HOG CHOLERA (SPANISH)	USDA
BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES (SPANISH)	USPHS	STORY OF ROCKY MOUNTAIN SPOTTED FEVER, THE	USNMAC
BIOLOGY AND CONTROL OF THE COCKROACH	USPHS	TICKS AND TICK-BORNE DISEASE	USNMAC
BIOLOGY OF DOMESTIC FLIES	USNMAC	TICKS AND TICK-BORNE DISEASES (SPANISH)	USNMAC
*BLUE TONGUE	USDA	*TRACEBACK URBAN RAT SURVEYS	USDA
COMMUNITY FLY CONTROL OPERATION	USPHS	USE OF AIRCRAFT FOR INSECT CONTROL, THE, PT 1, MOSQUITO CONTROL	USNMAC
COMMUNITY FLY CONTROL OPERATION (SPANISH)	USPHS	USE OF ANTI COAGULANTS IN RODENT CONTROL	USNMAC
*EQUINE INFECTIOUS ANEMIA	USDA	*VEE - A NATIONAL EMERGENCY VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLUMBIA	USDA
*EXPOSED	USDA	VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLOMBIA (SPANISH)	USPHS
FIELD RECOGNITION OF DOMESTIC RAT SIGNS	USNMAC	*VESICULAR DISEASES OF ANIMALS (REV ED)	USDA
FIELD RECOGNITION OF MOSQUITO LARVAE	USNMAC	*VESICULAR EXANTHEMA WINGED SCOURGE	USDA
FLY CONTROL THROUGH BASIC SANITATION	USNMAC	<b>CANCER</b>	
FLY CONTROL THROUGH BASIC SANITATION (FRENCH)	USPHS	*BREAST DISEASES, THEIR IMPORTANCE ON YOUR DAILY PRACTICE	SL
FLY DENSITY SURVEYS BY THE GRILL METHOD	USNMAC	BRONCHIOGENIC CARCINOMA	USVA
FRONT LINE OF THE BATTLE	USNMAC	CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 1	
*GENERA OF NORTH AMERICAN TICKS	FS	CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 2	USNMAC
*HOG CHOLERA - AFRICAN SWINE FEVER, A COMPARISON	USDA	DADDY CAN'T FIND MY SOCKS	USNMAC
INSECTS AS CARRIERS OF DISEASE	USOIAA	EARLIEST CLINICAL SIGNS OF INTRA-ORAL MALIGNANCIES	USHSMH
LET'S FINISH THE JOB	USNMAC	EXAMINATION OF THE MOUTH	USVA
LIFE HISTORY OF THE ROCKY MOUNTAIN WOOD TICK	USNMAC	*INTRODUCTION TO MAMMOGRAPHY	SL
MALARIA CONTROL ON IMPOUNDED WATER	USNMAC	*MAMMOGRAPHY - A SERIES	USNMAC
*MALARIA ERADICATION	USIA	*MAMMOGRAPHY TECHNIQUE	SL
MANSON'S BLOOD FLUKE	USNMAC	MANAGEMENT OF CARCINOMA OF THE UTERINE CERVIX	USNMAC
*MARKET CATTLE TESTING FOR BRUCELLOSIS	USDA	*MARK WATERS STORY, THE MYCOCESIS FUNGOIDES	USNMAC
MOSQUITO PREVENTION IN IRRIGATED AREAS	USNMAC	*NATURE OF HUMAN COLOR CHANGE, THE - GENETIC, HORMONAL, NEOPLASTIC	USVA
MOSQUITO STAGES OF PLASMODIUM FALCIPARUM	USPHS	*NEVOID BASAL CELL CARCINOMA SYNDROME, THE	USNMAC
MOSQUITO SURVEY TECHNIQUES	USPHS	*ORAL EXFOLIATIVE CYTOLOGY PROBLEMS IN DIAGNOSIS AND MANAGEMENT OF HYPOTHYROIDISM	IDCE
NORWAY RAT, HABITS AND CHARACTERISTICS, THE	USPHS	SCINTILLATION CAMERA FOR MEDICAL DIAGNOSIS	USVA
ORGANIZED MOSQUITO CONTROL	USNMAC	*SURGICAL TREATMENT OF BENIGN ACANTHOSIS NIGRICANS	USNMAC
*PLUM ISLAND ANIMAL DISEASE LABORATORY	USDA	TESTIS TUMORS	IDCE
*PSOROPTIC SHEEP AND CATTLE SCABIES	USDA	*TURBAN TUMOR	USNMAC
RAT ECTOPARASITE CONTROL	USNMAC		IDCE
RAT KILLING	USNMAC		
RAT PROBLEM, THE	USNMAC		
RAT PROBLEM, THE (FRENCH)	USNMAC		
RATPROOFING	USNMAC		
REMOVAL OF BITING TICKS, THE	USNMAC		
*RINDERPEST	USDA		
ROOF RAT, HABITS AND CHARACTERISTICS, THE	USNMAC		
RURAL RAT CONTROL	USNMAC		
RURAL RAT CONTROL (SPANISH)	USNMAC		
SANITATION TECHNIQUES IN RAT CONTROL			
*SCPAPIE	USNMAC	<b>CARDIOVASCULAR SYSTEM</b>	
SPACE SPRAYING OF INSECTICIDES	USDA	ANGIOGRAPHY AS A DIAGNOSTIC PROCEDURE	USNMAC
SPACE SPRAYING OF INSECTICIDES (SPANISH)	USNMAC	ANGIOGRAPHY, PT 1	USNMAC
SPRAYING EQUIPMENT AND	USNMAC	ANGIOGRAPHY, PT 2	USNMAC
		APPROACH TO PERIPHERAL VASCULAR DISEASE, AN	USNMAC

\* INDICATES NEW ENTRY

# MEDICINE

## CARDIOVASCULAR SYSTEM - (Continued)

BLOOD PRESSURE READINGS	USNMAC	INTRAVENOUS ADMINISTRATION OF FLUIDS	USN
BLOOD PRESSURE READINGS	USPHS	INTRODUCTION TO FORENSIC MEDICINE	USNMAC
CONGESTIVE HEART FAILURE	USNMAC	ISOLATION AND IDENTIFICATION OF MYCOPLASMA PNEUMONIA - EATON AGENT	USNMAC
CORONARY ARTERY DISEASE - NEWER DIMENSIONS	USNMAC	JOURNEY INTO MEDICINE	USNMAC
CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 1	USNMAC	JOURNEY INTO MEDICINE	USNMAC
CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 2	USNMAC	*NURSING SCENE, THE ORAL ADMINISTRATION OF MEDICATIONS	USNIMH
DIET AND ATHEROSCLEROTIC DISEASE - ARE THEY RELATED	USNMAC	POSITIVE APPROACH TO THE PSYCHIATRIC PATIENT, A	USN
HEART RESEARCH NEWS	USNMAC	POSTOPERATIVE CARE	USVA
HEARTBEAT	USPHS	PREOPERATIVE CARE	USN
HEAT DISORDERS - GENERAL EFFECTS OF HEAT ON MAN	USA	*PUBLIC HEALTH NURSING IN COMMUNICABLE DISEASE CONTROL	USN
HIGHLIGHTS OF HEART RESEARCH	USNMAC	*TODAY AND TOMORROW	FS USNMAC
INSPECTION AND PALPATION OF THE ANTERIOR CHEST	USPHS	*VETERINARIAN, USDA	USVA
MEDICAL AND SURGICAL TREATMENT OF VALVULAR HEART DISEASE, THE	USNMAC		USDA
NORMAL HEART SOUNDS AND INNOCENT HEART MURMURS - A STETHOSCOPIC STUDY, PTS 1 AND 2	USNMAC		
*PRINCIPLES AND PRACTICE OF CARDIOPULMONARY RESUSCITATION	USNMAC		
PULMONARY CRYPTOCOCCOSIS	USNMAC		
PULMONARY HISTOPLASMOSIS	USNMAC		
PULMONARY MYCOSIS, PT 1, BLASTOMYCOSIS	USNMAC		
REPRIEVE	USNMAC		
SUDDEN NATURAL DEATH	USNMAC		
TREATMENT OF CARDIAC ARRHYTHMIAS BY DRUGS AND ELECTRICITY, THE	USNMAC		

## CAREERS

AIR FORCE NURSE, THE - A REPORT OF THE PROFESSION	USAF	ANTIGEN ANALYSIS BY CELLULOSE CHROMATOGRAPHY AND GEL DIFFUSION OF HYDATID FLUID	USPHS
AIR FORCE OCCUPATIONAL MEDICAL PROGRAM	USAF	BASIC PRINCIPLES OF THE ANALYTICAL BALANCE	USPHS
AIR FORCE VETERINARY SUPPORT FOR THE MILITARY DOG PROGRAM IN SOUTHEAST ASIA	USAF	CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 1	USNMAC
AIR FORCE'S FLYING HOSPITALS, THE	USAF	CHEMICAL TECHNIQUES - ESTIMATION OF BLOOD GLUCOSE, FOLIN-WU AND SOMOGYI METHODS	USN
BIOLOGY AND CONTROL OF DOMESTIC FLIES, THE	USAF	CHEMICAL TECHNIQUES - ESTIMATION OF BLOOD GLUCOSE, SUNDERMAN-FULLER METHOD	USN
BIOLOGY AND CONTROL OF THE COCKROACH	USAF	CHEMICAL TECHNIQUES - FOLDING A FILTER PAPER	USN
CARE OF THE SICK AND INJURED BY HOSPITAL CORPSMEN - CHAIN OF ASEPSIS	USPHS	CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, FOLIN-WU METHOD	USN
*CODE BLUE	USBHME	CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, SOMOGYI METHOD	USN
CORPSMAN	USN	CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, TUNGSTIC ACID METHOD	USN
*DR. DRAGSTEDT	USNMAC	CHOLERA TODAY, PT 2, PRACTICAL LABORATORY DIAGNOSIS	USNMAC
*DR. HASTINGS	USNMAC	CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 1	USNMAC
*DR. HUGGINS	USNMAC	CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 2	USNMAC
*DR. McDERMOTT	USNMAC	CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 3	USNMAC
*DR. WANGENSTEEN	USNMAC	CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 4	USNMAC
*DR. WOOD	USNMAC	*CUTANEOUS VASCULAR PHENOMENON ASSOCIATED WITH FUNCTIONING CARCINOID TUMOR	ILDJ
EAR, NOSE AND THROAT TREATMENTS	USN	DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE METABOLISM, PT 1	USNMAC
EYE TREATMENTS	USN	DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE METABOLISM, PT 2	USNMAC
HANDS OF ACTION	USNMAC	FUNDAMENTALS OF CLINICAL ENZYMOLOGY	USNMAC
HIDDEN HAZARDS, THE	USPHS	GROSS RADIOACTIVITY ANALYSIS OF WATER	USNMAC
HIGH-TEMPERATURE SHORT-TIME PASTEURIZATION/INSPECTION AND TESTING	USPHS		
HOW TO OBSERVE NURSING ACTIVITIES, PT 1	USNMAC		
*HOW TO OBSERVE NURSING ACTIVITIES, PT 2	USNMAC		

\* INDICATES NEW ENTRY

**MEDICINE**  
**CHEMISTRY - (Continued)**

LABORATORY ASPECT OF DISEASES OF THE TESTICLE, THE		USNMAC	RECOGNITION OF LEPROSY	USNMAC
*LIPOID PROTEINOSIS		IDCE	RECOGNITION OF LEPROSY (SPANISH)	USNMAC
*LUPUS ERYTHEMATOSUS		IDCE	*SILICA GRANULOMA	ILDS
*MARGARINE DISEASE, THE		ILDS	*URTICARIA PIGMENTOSA	ILDS
ME.HOD FOR RAPID ELECTROPHORESIS		USNMAC	<b>DIAGNOSIS</b>	
METHODS FOR COLLECTING CAPILLARY BLOOD FOR CLINICAL CHEMISTRY		USNMAC	ANGIOGRAPHY AS A DIAGNOSTIC PROCEDURE	USNMAC
MODIFICATION OF THE SCHOENHEIMER-SPERRY METHOD FOR FREE AND TOTAL CHOLESTEROL		USNMAC	ANGIOGRAPHY, PT 1	USNMAC
OXIDASE TEST, THE		USNMAC	ANGIOGRAPHY, PT 2	USNMAC
PHYSICAL CHEMISTRY OF IMMUNOHEMATOLOGY		USNMAC	BRONCHIOGENIC CARCINOMA	USVA
PROPERTIES OF PANCREATIC LIPASE	SL	USNMAC	CHOLESTEROL-LECITHIN FLOCCULATION TEST FOR SCHISTOSOMIASIS	USNMAC
SAMPLE MOUNTING TECHNIQUES, EVAPORATION		USNMAC	CONTROVERSIAL ASPECTS OF RHEUMATOID ARTHRITIS	USNMAC
SAMPLE MOUNTING TECHNIQUES, FILTRATION		USNMAC	CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 1	USNMAC
SERUM CHOLESTEROL DETERMINATION		USNMAC	CURRENT CONCEPTS IN EPILEPSY, PT 1, INFANTS AND CHILDREN	USNMAC
SPECIFICITY OF ANTIGEN-ANTIBODY REACTIONS, THE		USNMAC	CURRENT CONCEPTS IN EPILEPSY, PT 2, ADULTS	USNMAC
<b>CYTOTOLOGY AND TISSUE SYSTEM</b>		USNMAC	DIAGNOSIS AND MANAGEMENT OF RHEUMATOID ARTHRITIS	USNMAC
*COCCIDIODES IMMITIS	FS	USNMAC	DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE	USNMAC
COLONY CHARACTERISTICS OF MYCOBACTERIA IN 7H-10 AGAR MEDIUM		USNMAC	METABOLISM, PT 1	USNMAC
INSIDE THE CELL, PT 1, ENZYMES IN INTRACELLULAR CHEMISTRY		USA	DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE	USNMAC
INSIDE THE CELL, PT 2, REGULATION OF ENZYMES		USA	METABOLISM, PT 2	USNMAC
*LE CYTO-DIAGNOSTIC		IDCE	DIAGNOSIS OF PANCREATIC DISEASE	USNMAC
*ORAL EXFOLIATIVE CYTOLOGY		USVA	ENDOCRINOLOGIC ASPECTS OF AMENORRHEA	USNMAC
RAPID FROZEN SECTION TECHNIQUE		USNMAC	ERYTHROCYTE TRANSKETOLASE ACTIVITY	USVA
<b>DERMATOLOGY</b>		USNMAC	ESOPHAGEAL PROBLEMS	USNMAC
ACNE VULGARIS - ITS PATHOGENESIS		USNMAC	EYES AND EARS OF THE MEDICAL WORLD, THE	USNMAC
ACRODERMATITIS CHRONICA ATROPHICANS (HERXHEIMER)		IDCE	FIBERSCOPE ENDOSCOPY OF THE UPPER DIGESTIVE TRACT	USNMAC
*CONGENITAL ICHTHYOSIFORM E-. THRODERMA		IDCE	FORMALIN-ETHER SEDIMENTATION TECHNIQUE	USNMAC
*CREPING ERUPTION		ILDS	FRACTURES, DISLOCATIONS, AND SPRAINS	USNMAC
*DEMODEX FOLLICULORUM		ILDS	*HOG CHOLERA - AFRICAN SWINE FEVER, A COMPARISON	USDA
*DERMATOSSES OCCURRING MAINLY IN JAPANESE		IDCE	*HOG CHOLERA - ITS DIAGNOSIS	USDA
*DERMATOSIS CENICIENTA - ERYTHEMA DYSCHROMICUM PERSTANS		IDCE	INTESTINAL PARASITES, PT 1, INTRODUCTION AND TECHNIQUES OF HANDLING SPECIMENS	USNMAC
*DIAGNOSIS OF LATENT PSORIASIS		IDCE	INTESTINAL PARASITES, PT 2, INTESTINAL AMEBIASIS	USNMAC
*EARLY CUTANEOUS LEISHMANIASIS		ILDS	IODINE-131	USAEC
*EARLY DIAGNOSIS OF MALIGNANT MELANOMA		IDCE	ISOTOPES IN THE DIAGNOSIS OF ANEMIA	USNMAC
*FAMILIAL CIRCUMSCRIBED ERYTHROKERATODERMA		IDCE	JAUNDICE - MEDICAL OR SURGICAL	USNMAC
*GIANT LICHENIFICATION		ILDS	*LE CYTO-DIAGNOSTIC	IDCE
*GRANULOMATOUS DERM- HYPODERMATIS WITH PROGRESSIVE ATROPHY		IDCE	MARSUPIALIZATION OF A HYDATID CYST OF ECHINOCOCCUS	USNMAC
*KERATOACANTHOMA		IDCE	GRANULOSIS IN THE LIVER	USNMAC
*KERATODERMIA PALMARIS ET PLANTARIS		ILDS	NEW DIAGNOSTIC PROCEDURES IN THE DIAGNOSIS OF PITUITARY DISEASE	USNMAC
*KERATOSIS FOLLICULARIS (DARIER'S DISEASE)		IDCE	OPERATING ROOM DEATHS	USNMAC
*LATE CUTANEOUS LEISHMANIASIS		ILDS	ORGANOPHOSPHATE PESTICIDE POISONINGS - DIAGNOSIS AND TREATMENT	USNMAC
*MAL DE MELEDA		ILDS	OX CELL HEMOLYSIN TEST FOR DIAGNOSIS OF INFECTIOUS MONONUCLEOSIS	USNMAC
*MALIGNANT ATROPHYING PAPULOSIS		ILDS	PATHOGENESIS AND MANAGEMENT OF HEMOCHROMATOSIS	USNMAC
PARAPLEGIC PATIENT EDUCATION - PREVENTION OF SKIN PROBLEMS		USNMAC	PLAQUE IN SYLVATIC AREAS	USNMAC
			PRACTICAL VIEW OF SYPHILIS, A	USNMAC

\* INDICATES NEW ENTRY

# MEDICINE

## DIAGNOSIS - (Continued)

PREPARATION OF A CULTURE MEDIUM	USNMAC	USEFULNESS OF MEDIUM CHAIN TRIGLYCERIDES, THE	SL	USNMAC
PREPARATION OF SPUTUM SPECIMENS	USNMAC	<b>HEMIC AND LYMPHATIC SYSTEM</b>		
PROBLEMS IN DIAGNOSIS AND MANAGEMENT OF HYPOTHYROIDISM	USNMAC	ABC OF G, THE		USN
PULMONARY CRYPTOCOCCOSIS	USNMAC	ANTIBODY SPECIFICITY AND ANTIGEN HETEROGENEITY		USNMAC
PULMONARY MYCOSIS, PT 1, BLASTOMYCOSIS	USNMAC	ANTICOAGULATION DILEMMA, THE		USNMAC
RECENT ADVANCES IN NEUROMUSCULAR DISEASE	USNMAC	BLEEDING DISORDERS		USNMAC
REGIONAL ENTERITIS AND GRANULOMATOUS COLITIS	USNMAC	BLOOD COLLECTION FOR PEDIATRIC TESTS		USPHS
RENAL VASCULAR HYPERTENSION--AN APPROACH TO DIAGNOSIS AND TREATMENT	USNMAC	BLOOD PRESSURE READINGS		USNMAC
SCINTILLATION CAMERA FOR MEDICAL DIAGNOSIS	USAEC USDA	BLOOD PRESSURE READINGS		USPHS
*SCRAPIE		CIRRHOSIS WARD ROUNDS AT THE LEMUEL SHATTUCK HOSPITAL, PT 1		USNMAC
SEIZURE--THE MEDICAL TREATMENT AND SOCIAL PROBLEMS OF EPILEPSY	USVA USA	CIRRHOSIS WARD ROUNDS AT THE LEMUEL SHATTUCK HOSPITAL, PT 2		USNMAC
SPLENOPORTOGRAPHY	USNMAC	COUNTING WHOLE BODY RADIOACTIVITY		USAEC
STORY OF ROCKY MOUNTAIN SPOTTED FEVER, THE	USN	CURRENT STATUS OF ANTICOAGULANT THERAPY		USNMAC
TECHNICAL PROCEDURES FOR DIAGNOSIS AND THERAPY IN CHILDREN	USNMAC	DIFFUSE INTRAVASCULAR COAGULATION		USNMAC
TECHNIQUES OF LABORATORY DIAGNOSIS OF INFLUENZA	USNMAC	EVALUATION OF PROTEINURIA AND HEMATURIA		USNMAC
TELETHERAPY AND BRACHYTHERAPY	USAEC USDHEW	HEMATOLOGICAL TECHNIQUE COLLECTING BLOOD SAMPL		USN
THRESHOLD	USNMAC	HEMATOLOGICAL TECHNIQUE FOR CHARGING THE HEMOCYTOMETER		USN
TUBERCULOSIS--LABORATORY AIDS TO DIAGNOSIS AND TREATMENT	USA	HEMOLYTIC SYNDROME, THE		USNMAC
*VERMILONECTOMY	USNMAC	HEMOLYTIC TRANSFUSION REACTIONS		USNMAC
<b>DIGESTIVE SYSTEM</b>		HEMOPHILOID DISORDERS-CLINICAL, THE		USNMAC
ASSESSMENT OF FAT DIGESTION	SL	HYDROA VACCINIFORME		ILDS
DETECTION OF ENTEROPATHOGENIC ESCHERICHIA COLI	USNMAC	*IN SELF DEFENSE		USNIH
DEVELOPMENT OF THE HUMAN GASTROINTESTINAL TRACT	USNMAC	INFECTIOUS HEPATITIS		USNMAC
DIAGNOSIS OF PANCREATIC DISEASE	USNMAC	JAUNDICE - MEDICAL OR SURGICAL		USNMAC
EMBRYOLOGY OF THE LIVER, GALLBLADDER, AND PANCREAS	USA	MANAGEMENT OF HEMOSTATIC PROBLEMS		USNMAC
ENDOCRINOLOGIC ASPECTS OF AMENORRHEA	USNMAC USNMAC	METHODS FOR COLLECTING CAPILLARY BLOOD FOR CLINICAL CHEMISTRY		USNMAC
ESOPHAGEAL PROBLEMS	SL	*MYELOMATOSIS WITH CUTANEOUS MANIFESTATIONS		ILDS
FAT ABSORPTION - INTRACELLULAR EVENTS, DISORDERS	USNMAC	PATHOGENESIS AND MANAGEMENT OF HEMOCHROMATOSIS		USNMAC
FAT ABSORPTION IN HEALTH AND DISEASE - SERIES	SL	PATHOGENESIS OF ANEMIA		USNMAC
FAT DIGESTION - LIPOLYSIS AND MICELLE FORMATION, DISORDERS	SL	PHYSICAL CHEMISTRY OF IMMUNOHEMATOLOGY		USNMAC
HEPATIC FUNCTION TESTS, PT 1	USNMAC	PLATELET MORPHOLOGY FUNCTION		USNMAC
HEPATIC FUNCTION TESTS, PT 2	USNMAC	PREPARATION OF THICK AND THIN BLOOD FILMS		USNMAC
HEPATIC FUNCTION TESTS, PT 3	USNMAC	PROBLEMS OF ANEMIA		USNMAC
HEPATIC FUNCTION TESTS, PT 4	USNMAC	*READING THE BLOOD PRESSURE MANOMETER		USA
HEPATIC FUNCTION TESTS, PT 5	USNMAC	RECOGNITION AND TREATMENT OF CERTAIN PANCREATIC DISORDERS		USNMAC
INTRODUCTION - THE ABSORBING SURFACE	SL	REFRACTORY ANEMIA		USNMAC
PATHOPHYSIOLOGY OF PANCREATIC INFLAMMATION, THE	USNMAC	SEROLOGICAL TECHNIQUE-VENIPUNCTURE		USN
PROPERTIES OF PANCREATIC LIPASE	SL	STAINING BLOOD FILMS FOR DETECTION OF MALARIA PARASITES		USNMAC
REGIONAL ENTERITIS AND GRANULOMATOUS COLITIS	USNMAC	THEORY OF BLOOD COAGULATION, THE		USNMAC
REGULATION OF PANCREATIC SECRETION	USNMAC	*TREATMENT OF THE HEMOPHILOID DISORDERS		USNMAC
SYMPTOMATIC POSTGASTRECTOMY PATIENT, THE	USNMAC	VITAL SIGNS, PT 3, TAKING BLOOD PRESSURE		USN
ThERAPY IN PANCREATIC INFLAMMATION	USNMAC			
ULCERATIVE COLITIS	USNMAC			

\* INDICATES NEW ENTRY

MEDICINE

**LABORATORY = (Continued)**

#### **LABORATORY**

CHOLERA TODAY, PT 2, PRACTICAL LABORATORY DIAGNOSIS	USNMAC	EPIDEMIOLOGY OF INFLUENZA, THE EPIDEMIOLOGY OF MURINE TYPHUS EPIDEMIOLOGY OF SALMONELLOSIS IN MAN AND ANIMAL	USNMAC
RABIES F-A STAINING	USNMAC	EPIDEMIOLOGY OF STAPHYLOCOCCAL INFECTIONS	USNMAC
RX - INNOVATION	USNMAC	ERYTHROCYTE TRANSKETOLASE ACTIVITY	USVA
RX - INNOVATION (FRENCH)	USNMAC	ERYTHROCYTIC STAGES OF PLASMODIUM VIVAX	USNMAC
RX - INNOVATION (SPANISH)	USNMAC	EXCYSTATION AND MOTILITY OF ENDAMOEBA HISTOLYTICA	USNMAC
SAFETY PIPETTING	USNMAC	*EXPOSED	USDA
TUBERCULOSIS--LABORATORY AIDS TO DIAGNOSIS AND TREATMENT	USNMAC	*FILARIASIS	FS
<b>ROBIOLOGY</b>		FILARIASIS IN BRITISH GUIANA	USNMAC
AFRICAN TRYpanosomiasis	USN	FLOCCULATION TEST FOR PARASITIC DISEASE	USNMAC
AIR SAMPLING FOR MICROBIOLOGICAL PARTICULATES	USPHS	FORMALIN-ETHER SEDIMENTATION	USNMAC
AIRBORNE TRANSMISSION OF TUBERCLE BACILLI	USNMAC	UNIQUE	USNMAC
ARTHROPOD-BORNE ENCEPHALITIS- ITS EPIDEMIOLOGY AND CONTROL	USNMAC	HEMAGGLUTINATION TEST FOR ECHINOCOCCOSIS	USNMAC
ASIATIC SCHISTOSOMIASIS	USN	HISTOPATHOLOGICAL TECHNIQUE - PROCESSING A GROSS SPECIMEN	USN
AUSTRALORBIS GLABRATUS, VECTOR OF SCHISTOSOMA MANSONI	USNMAC	HISTOPLASMOSIS - MASON CITY, IOWA	USNMAC
*BACK THE ATTACK ON BRUCELLOSIS	USDA	HOOKWORM	USOIAA
BASIC EPIDEMIOLOGIC AND CLINICOPATHOLOGIC ASPECTS OF MALARIA	USNMAC	HOW DISEASE TRAVELS	USOIAA
BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO	USPHS	HOW DISEASE TRAVELS (SPANISH)	USOIAA
BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (SPANISH)	USPHS	IDENTIFICATION OF EARLY SYPHILIS	USNMAC
BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (FRENCH)	USNMAC	IDENTIFICATION OF EARLY SYPHILIS (SPANISH)	USNMAC
*BLASTOMYCES DERMATITIDIS	FS	*IDENTIFICATION OF SOME COMMON SUCKING LICE	FS
*BRUCELLOSIS RING TEST	USNMAC	INFECTIOUS DIARRHEAS, THE	USNMAC
CATALASE TEST, THE	USNMAC	INFECTIOUS DIARRHEAS, THE (SPANISH)	USPHS
CHOLERA EPIDEMIC IN SOUTH VIETNEM	USNMAC	INFECTIVE LARVAE OF ANCYCLOSTOMA CANINUM	USNMAC
CHOLERA TODAY--BEDSIDE EVALUATION AND TREATMENT	USNMAC	INFECTIVE LARVAE OF WUCHERERIA BANCROFTI	USNMAC
*CLINICAL MANIFESTATIONS OF LEPROSY	FS	INFLUENZA VIRUS ISOLATION	USNMAC
COAGULASE AND CLUMPING FACTOR TESTS FOR STAPHYLOCOCCUS AUREUS, THE	USNIMH	INTESTINAL PARASITES, PT 1, INTRODUCTION AND TECHNIQUES OF HANDLING SPECIMENS	USNMAC
*COCCIDIODES IMMITIS, COCCIDIOMYCOSIS	FS	INTESTINAL PARASITES, PT 2, INTESTINAL AMEBIASIS	USNMAC
*COMMON SAPROPHYtic FUNGI	USNMAC	INTESTINAL PARASITES, PT 3, EXTRAINTESTINAL AMEBIASIS	USNMAC
DEMONSTRATION STORY, THE	FS	ISOLATION AND IDENTIFICATION OF BETA HEMOLYTIC STREPTOCOCCI	USNMAC
DETECTION OF C. BOTULINUM IN FOOD, PT 1, - PREPARATION OF FOOD SAMPLES AND DIRECT CULTU	USNMAC	ISOLATION AND IDENTIFICATION OF MYCOPLASMA PNEUMONIA - EATON AGENT	USNMAC
DETECTION OF C. BOTULINUM IN FOOD, PT 2, - MOUSE TOXIN NEUTRALIZATION TEST	USNMAC	ISOLATION AND IDENTIFICATION OF SALMONELLAE	USNMAC
DETECTION OF C. BOTULINUM IN FOOD, PT 3, - ISOLATION FROM MIXED CULTURE	USNMAC	ISOLATION AND IDENTIFICATION OF SHIGELLAe	USNMAC
DETECTION OF ENTEROPATHOGENIC ESCHERICHIA COLI	USNMAC	*ISOLATION AND PRELIMINARY IDENTIFICATION OF CULTURES	FS
DETERMINATION OF TYPES OF C. DIPHTHERIAE	USNMAC	ISOLATION OF BLASTOMYCES DERMATITIDIS	USNMAC
EATON AGENT PNEUMONIA	USNMAC	ISOLATION OF C. IMMITIS	USNMAC
EGGS AND MIRACIDIA OF SCHISTOSOMA MANSONI	USNMAC	ISOLATION OF SALMONELLA AND SHIGELLA CULTURES	USNMAC
EMBRYONATED EGG TECHNIQUES, PT 1 - INOCULATION	USNMAC	LABORATORY DIAGNOSIS OF RABIES IN ANIMALS	USNMAC
EMBRYONATED EGG TECHNIQUES, PT 2 - HARVESTING	USNMAC	LABORATORY DIAGNOSIS OF RABIES IN ANIMALS (SPANISH) (REV ED)	USPHS
ENEMY IN YOUR HOME	USNMAC	*LABORATORY DIAGNOSIS OF TENEA CAPITIS CHILDREN - MICROSPORUM INFECTIONS	FS
		*LABORATORY DIAGNOSIS OF TENEA CAPITIS IN CHILDREN - MICROSPORUM INFECTIONS	FS
		*LABORATORY DIAGNOSIS OF	USNMAC

\* INDICATES NEW ENTRY

# MEDICINE

## MICROBIOLOGY - (Continued)

TRICHOPHYTON INFECTIONS, PT 1 - ECTRTHRIX INFECTIONS OF THE	FS	USNMAC	PREPARATION OF SPUTUM SPECIMENS	USNMAC
*LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 2 - ENDOHTRIX INFECTIONS OF THE	FS	USNMAC	PRESERVATION OF BACTERIA BY DESICCATION IN VACUO	USNMAC
LABORATORY METHODS FOR AIRBORNE INFECTION, PT 1 - THE CLOUD CHAMBER		USNMAC	PREVENTION AND CONTROL OF STAPHYLOCCAL INFECTIONS	USNMAC
LABORATORY METHODS FOR AIRBORNE INFECTION, PT 2, - THE HENDERSON APPARATUS		USNMAC	PROBLEM OF HOOKWORM INFECTION, THE	USNMAC
LABORATORY TECHNIQUE FOR DARKFIELD MICROSCOPY		USN	*PSOROPTIC SHEEP AND CATTLE SCABIES	USDA
LEPTOSPIROSIS		USNMAC	PUBLIC HEALTH ASPECTS OF MIGRANT WORKERS, THE	USNMAC
LIFE CYCLE OF DIPHYLLOBOTHRIUM LATUM		USPHS	RABIES CONTROL IN THE COMMUNITY	USNMAC
LIFE CYCLE OF ENDAMOEBA HISTOLYTICA IN DYSENTERIC AND NON-DYSENTERIC AMOEBIASIS		USN	RABIES CONTROL IN THE COMMUNITY (SPANISH)	USNMAC
MANAGEMENT OF THE LEPROSY PATIENT		USNMAC	RECOGNITION OF LEPROSY (SPANISH)	USNMAC
MANSON'S BLOOD FLUKE		USNMAC	RECOGNITION OF LEPROSY (SPANISH)	USNMAC
MARSUPIALIZATION OF A HYDATID CYST OF ECHINOCOCCUS GRANULOSIS IN THE LIVER		USNMAC	SCHISTOSOMES IN THE PRIMARY HOST	USNMAC
METHODS FOR OBTAINING ANAEROBIASIS		USNMAC	SETTING OF ENDEMIC SCHISTOSOMIASIS IN PUERTO RICO, THE	USNMAC
METHODS FOR THE ISOLATION OF SALMONELLA FROM HUMAN FOOD AND ANIMAL FEEDS		USNMAC	*SIMPLIFIED SEROLOGIC IDENTIFICATION OF SALMONELLA CULTURES	FS USNMAC
MICRO-TECHNIQUES IN SEROLOGY		USNMAC	SOLUBILITY AND OPTOCHEM TESTS FOR STREPTOCOCCUS PNEUMONIAE	USNMAC
MICROFILARIAE OF WUCHERERIA BANCROFTI		USNMAC	SPOROCYSTS AND CERCARIAE OF SCHISTOSOMA MANSONI	USNMAC
MICROORGANISMS OF GAS GANGRENE		USNMAC	SPUTUM COLLECTION AND HANDLING	USNMAC
*MICROSCOPIC STUDY AND ISOLATION OF C DIPHTHERIAE		USNMAC	SPUTUM DIGESTION AND DECONTAMINATION WITH N-ACETYL-L-CYSTEINE NOAH	USNMAC
MIRACIDIA OF SCHISTOSOMA JAPONICUM		USNMAC	STAPHYLOCOCCAL INFECTION	USNMAC
MIRACLE IN TONGA		USNMAC	STREPTOCOCCAL INFECTIONS	USNMAC
MISSISSIPPI VALLEY DISEASE - HISTOPLASMOSIS		USNMAC	SURFACE SAMPLING FOR MICROORGANISMS (RODAC METHOD)	USNMAC
MOTILITY OF ENTAMOEBA HISTOLYTICA		USNMAC	SURFACE SAMPLING FOR MICROORGANISMS (SWAB METHOD)	USNMAC
MOVEMENTS OF ENDAMOEBA HISTOLYTICA		USNMAC	TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 1 - DIRECT METHOD	USNMAC
MYCOLOGICAL SLIDE CULTURE TECHNIQUE		USNMAC	TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 2	USNMAC
NIACIN-NITRATE REDUCTION TEST		USNMAC	TECHNIQUES OF LABORATORY DIAGNOSIS OF INFLUENZA	USNMAC
*ONCHOCERCIASIS IN GHANA		USNMAC	TOXIGENICITY TEST OF C DIPHTHERIAE	USNMAC
OUTBREAK OF SALMONELLA INFECTION, AN		USNMAC	TUBERCULIN TESTING	USNMAC
OUTBREAK OF SALMONELLA INFECTION, AN (SPANISH)		USNMAC	TUBERCULIN TESTING, PT 1, TUBERCULINS	USNMAC
OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN		USNMAC	TUBERCULIN TESTING, PT 1, TUBERCULINS (SPANISH)	USNMAC
OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN (SPANISH)		USNMAC	TUBERCULIN TESTING, PT 2, ADMINISTRATION TECHNIQUES	USNMAC
OX'CELL HEMOLYSIS TEST FOR DIAGNOSIS OF INFECTIOUS MONONUCLEOSIS		USNMAC	TUBERCULOSIS--LABORATORY AIDS TO DIAGNOSIS AND TREATMENT	USNMAC
PATHOLOGY OF SCHISTOSOMIASIS, THE		USNMAC	*TYPHOID CARRIER, THE	USIIAA
PLAQUE CONTROL		USN	VDRL TESTS FOR SYPHILIS	USNMAC
PLAQUE IN SYLVATIC AREAS		USNMAC	WHAT IS DISEASE - UNSEEN ENEMY	USIA
PLASTIC ISOLATORS - NEW TOOLS FOR MEDICAL RESEARCH		USNMAC	WHAT IS DISEASE - UNSEEN ENEMY (SPANISH)	USIA
PRACTICAL VIEW OF SYPHILIS, A		USNMAC	<b>MILITARY MEDICINE</b>	
PREPARATION AND STAINING OF FECAL SMEARS FOR PARASITOLOGICAL EXAMINATION		USNMAC	CORPSMAN	USN
PREPARATION OF A CULTURE MEDIUM		USNMAC	DEBRIDEMENT, PT 1, MULTIPLE SOFT TISSUE WOUNDS	USA
PREPARATION OF PRIMARY MAMMALIAN KIDNEY CELL CULTURE		USNMAC	DEBRIDEMENT, PT 2, WOUNDS OF THE EXTREMITIES	USA

\* INDICATES NEW ENTRY

**MEDICINE**  
**MILITARY MEDICINE - (Continued)**

*ESSENTIALS OF FIRST AID INTRODUCTION TO COMBAT FATIGUE--DOCTOR'S VERSION	USN	AUSTRALORBIS GLABRATUS, VECTOR OF SCHISTOSOMA MANSONI	USNMAC
INTRODUCTION TO COMBAT FATIGUE--PATIENT'S VERSION	USN	BASIC EPIDEMIOLOGIC AND CLINICOPATHOLOGIC ASPECTS OF MALARIA	USNMAC
MEDICAL SUPPLY SYSTEM, U S ARMY, PT 2, OPERATIONS AT CONUS AND OVERSEAS INSTALLATIONS	USA	BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO	USPHS
MEDICAL SUPPLY, U S ARMY, PT 1, ORGANIZATION AND ADMINISTRATION	USA	BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (SPANISH)	USPHS
MICROFILARIAE OF WUCHERERIA BANCROFTI	USNMAC	BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (FRENCH)	
MILITARY IMMUNIZATION - SMALLPOX VACCINATION	USN	*COMMON SAPROPHYMIC FUNGI	FS USNMAC
MILITARY MEDICINE	USDOD	*DISSEMINATED ANERGIC LEISHMANIASIS	ILDS
SUCKING WOUNDS OF THE CHEST	USN	EATON AGENT PNEUMONIA	USNMAC
TRANSPORTATION OF THE SICK AND WOUNDED	USA	EGGS AND MIRACIDIA OF SCHISTOSOMA MANSONI	USNMAC
<b>MYCOLOGY</b>			
*BLASTOMYCES DERMATITIDIS	FS	EPIDEMIOLOGY OF MURINE TYPHUS	USNMAC
*COCCIDIODES IMMITIS COCCIDIOMYCOSIS	FS	*EFIZOONOSES	IDCE
*COMMON SAPROPHYMIC FUNGI	FS	EXCYSTATION AND MOTILITY OF ENDAMOEBA HISTOLYTICA	USNMAC
EPIDEMIC OF HISTOPLASMOSIS, AN HEMAGGLUTINATION TEST FOR ECHINOCOCCOSIS	FS	*FILARIASIS	FS USNMAC
HISTOPLASMOSIS - MASON CITY, IOWA	USNMAC	FLOCCULATION TEST FOR PARASITIC DISEASE	USNMAC
ISOLATION OF BLASTOMYCES DERMATITIDIS	USNMAC	FORMALIN-ETHER SEDIMENTATION TECHNIQUE	USNMAC
ISOLATION OF C. IMMITIS	USNMAC	HOOKWORM	USNMAC USOIAA
*LABORATORY DIAGNOSIS OF TENEA CAPITIS CHILDREN - MICROSPORUM INFECTIONS	FS	*IDENTIFICATION OF SOME COMMON SUCKING LICE	FS USNMAC
*LABORATORY DIAGNOSIS OF TENEA CAPITIS IN CHILDREN - MICROSPORUM INFECTIONS	FS	INFECTIVE LARVAE OF ANCYCLOSTOMA CANINUM	USNMAC
*LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 1 - ECTRTHRIX INFECTIONS OF THE	FS	INFECTIVE LARVAE OF WUCHERERIA BANCROFTI	USNMAC
*LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 2 - ENDOTHRIX INFECTIONS OF THE	FS	INTESTINAL PARASITES, PT 1, INTRODUCTION AND TECHNIQUES OF HANDLING SPECIMENS	USNMAC
MISSISSIPPI VALLEY DISEASE - HISTOPLASMOSIS	FS	INTESTINAL PARASITES, PT 2, INTESTINAL AMEBIASIS	USNMAC
MOTILITY OF ENTAMOEBA HISTOLYTICA	FS	INTESTINAL PARASITES, PT 3, EXTRAINTESTINAL AMEBIASIS	USNMAC
MYCOLOGICAL SLIDE CULTURE TECHNIQUE	FS	LIFE CYCLE OF DIPHYLLOBOTHRIUM LATUM	USPHS
<b>NEUROLOGY</b>			
INTRODUCTION TO APHASIA	USVA	LIFE CYCLE OF ENDAMOEBA HISTOLYTICA IN DYSENTERIC AND NON-DYSENTERIC AMOEBA	USN
MOTOR CONDUCTION VELOCITY STUDIES OF THE MEDIAN AND ULNAR NERVES	USNMAC	MANSON'S BLOOD FLUKE	USNMAC
NEUROSURGERY - FACIAL NEURALGIA	USN	MARSUPIALIZATION OF A HYDATID CYST OF ECHINOCOCCUS	
PROGRAMMED INSTRUCTION AND APHASIA REHABILITATION	USNMAC	GRANULOSIS IN THE LIVER	USNMAC
RECENT ADVANCES IN NEUROMUSCULAR DISEASE	USNMAC	MICROFILARIAE OF WUCHERERIA BANCROFTI	USNMAC
SOCIAL ADJUSTMENT FOR THE APHASIC PATIENT	USVA	MIRACIDIA OF SCHISTOSOMA JAPONICUM	USNMAC
TESTING AND INDIVIDUAL THERAPY FOR THE APHASIC PATIENT	USVA	MOVEMENTS OF ENDAMOEBA HISTOLYTICA	USNMAC
VERBAL IMPAIRMENT ASSOCIATED WITH BRAIN DAMAGE	USNMAC	*ONCHOCERCIASIS	ILDS
YEAR OF BIRTH	USNMAC	*ONCHOCERCIASIS IN GHANA	USNMAC
<b>PARASITOLOGY</b>			
AFRICAN TRYPARASOMIASIS	USN	PATHOLOGY OF SCHISTOSOMIASIS, THE	USNMAC
ASIATIC SCHISTOSOMIASIS	USN	PREPARATION AND STAINING OF FECAL SMEARS FOR PARASITOLOGICAL EXAMINATION	USNMAC
		PREPARATION OF THICK AND THIN BLOOD FILMS	USNMAC
		PROBLEM OF HOOKWORM INFECTION, THE	USNMAC
		*PSOROPTIC SHEEP AND CATTLE SCABIES	USDA
		SCHISTOSOMES IN THE PRIMARY HOST	
		SETTING OF ENDEMIC	USNMAC

\* INDICATES NEW ENTRY

## MEDICINE

### PARASITOLOGY - (Continued)

SCHISTOSOMIASIS IN PUERTO RICO, THE	USNMAC	FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE (SHORT METHOD), PT 1	USNMAC
SPOROCYSTS AND CERCARIAE OF SCHISTOSOMA MANSONI	USNMAC	FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE (SHORT METHOD), PT 2	USNMAC
STAINING BLOOD FILMS FOR DETECTION OF MALARIA PARASITES	USNMAC	FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE, PT 2, PROCEDURE	USNMAC
<b>PATHOLOGY</b>		FLUOROMETRIC DETERMINATION OF SERUM TYROSINE, PT 1, PREPARATION OF REAGENTS	USNMAC
ANTIBODY SPECIFICITY AND ANTIGEN HETEROGENEITY	USNMAC	FLUOROMETRIC DETERMINATION OF SERUM TYROSINE, PT 2, PROCEDURE	USNMAC
APPLICATIONS OF INSULIN AND GROWTH HORMONE ASSAYS IN CLINICAL MEDICINE	USA	GLUCOSE METHOD - AUTO ANALYZER	USNMAC
BASIC AUTOPSY PROCEDURE	USNMAC	GLUCOSE METHOD - GLUCOSE OXIDASE, PT 1, PROCEDURES	USNMAC
BATTERED CH'L'D, THE, PT 1	USNMAC	GLUCOSE METHOD - GLUCOSE OXIDASE, PT 2, PREPARATION OF REAGENTS AND PRIMARY STANDARDS	USNMAC
BATTERED CHILD, THE, PT 2	USNMAC	GLUCOSE METHOD - NELSON SOMOGYI, PT 1, PREPARATION OF PROTEIN-FREE FILTRATE	USNMAC
CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 1	USNMAC	GLUCOSE METHOD - NELSON SOMOGYI, PT 2, COLOR REACTION	USNMAC
CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 2	USNMAC	GLUCOSE METHOD - NELSON SOMOGYI, PT 3, PREPARATION OF REAGENTS AND PRIMARY STANDARDS	USNMAC
CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 3	USNMAC	GLUCOSE METHOD - ORTHO-TOLUIDINE	USNMAC
CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 4	USNMAC	HEALTH HAZARDS OF PESTICIDES	USNMAC
CLINICAL PATHOLOGICAL CONFERENCE	USNMAC	IN VITRO PATHOGENICITY TEST FOR C. DIPHTHERIAE	USNMAC
CONCEALED HOMICIDE, THE	USNMAC	IN VITRO TOXIGENICITY TEST FOR C. DIPHTHERIAE	USNMAC
INTENSIVE RESPIRATORY CARE	USNMAC	INFECTIOUS MONONUCLEOSIS	USNMAC
KIDNEY FUNCTION TESTS	USNMAC	INTRAVENOUS ADMINISTRATION OF FLUIDS	USNMAC
MANSON'S BLOOD FLUKE	USNMAC	*LA PHENYLCETONURIE	IDCE
PATHOLOGY OF SCHISTOSOMIASIS, THE	USNMAC	MANAGEMENT OF THE LEPROSY PATIENT	USNMAC
RECOGNITION OF LEPROSY	USNMAC	MARIHUANA, LSD AND THE MIND - A DILEMMA FOR MEDICINE AND SOCIETY	USNMAC
RECOGNITION OF LEPROSY (SPANISH)	USDA	MILITARY IMMUNIZATION - SMALLPOX VACCINATION	USNMAC
*RINDERPEST	USNMAC	MIRACLE IN TONGA	USNMAC
SUDDEN NATURAL DEATH	USDA	MODERN IMMUNIZATION	
TRAUMATIC AND CHEMICAL ASPHYXIATION, PT 1	USNMAC	PROCEDURES IN CHILDREN AND ADULTS	USNMAC
TRAUMATIC AND CHEMICAL ASPHYXIATION, PT 2	USNMAC	NEW IDEAS ABOUT AN OLD DISEASE - DIABETES MELLITUS	USNMAC
<b>PHARMACOLOGY AND TOXICOLOGY</b>		ORGANOPHOSPHATE PESTICIDE POISONINGS - DIAGNOSIS AND TREATMENT	USNMAC
*AFRICAN HORSE SICKNESS	USDA	PRINCIPLES OF LONG-TERM STEROID THERAPY	USNMAC
ANIMAL BITES AND RABIES	USNMAC	RAT ECTOPARASITE CONTROL	USNMAC
APPLICATIONS OF INSULIN AND GROWTH HORMONE ASSAYS IN CLINICAL MEDICINE	USNMAC	SMALLPOX VACCINATION - SHOULD OUR POLICY BE CHANGED	USNMAC
*BOVINE CONTAGIOUS PLEUROPNEUMONIA	USDA	SPACE SPRAYING OF INSECTICIDES	USNMAC
CELLULAR AND MOLECULAR ASPECTS OF THE IMMUNE RESPONSE	USNMAC	SPACE SPRAYING OF INSECTICIDES (SPANISH)	USNMAC
*CHALLENGING CAREERS IN CHEMISTRY	USDA	SPECIFICITY OF ANTIGEN-ANTIBODY REACTIONS, THE	USNMAC
CHOLESTEROL-LECITHIN FLUCCULATION TEST FOR SCHISTOSOMIASIS	USNMAC	SPOT PREVENTION - MEASLES	USNMAC
DEFENSE AGAINST INVASION	USOIAA	SPOT PREVENTION - MEASLES (SPANISH)	USNMAC
*DRUG DIALOGUE - ORIENTATION	USNIMH	STOP RUBELLA	USNMAC
EMMY IMMUNIZATION	USNMAC	STORY OF ROCKY MOUNTAIN SPOTTED FEVER, THE	USNMAC
EPIDEMIOLOGY OF PESTICIDE POISONINGS, THE	USNMAC	STREPTOMYCIN	USA
FIBRINOLYTIC MECHANISM AND TEST OF FIBRINOLYTIC FUNCTION, THE	USNMAC		
FIFTY-FIFTY CHANCE, A	USNMAC		
FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE, PT 1, PREPARATION OF ...	USNMAC		

\* INDICATES NEW ENTRY

## MEDICINE

### PHARMACOLOGY AND TOXICOLOGY - (Continued)

TECHNICAL PROCEDURES FOR DIAGNOSIS AND THERAPY IN CHILDREN	USN	MASK, THE	USNMAC
TOXIGENICITY TEST OF C DIPHTHERIAE	USNMAC	MENTAL STATUS EXAMINATION, THE	USNMAC
USES OF PENICILLINS - OLD AND NEW	USNMAC	MOODS IN SAFETY	USAF
*VACCINATE AGAINST SMALLPOX	USIIAA	NON-VERBAL COMMUNICATION	USVA
*VEE - A NATIONAL EMERGENCY	USDA	NOT SICK ENOUGH	USSRS
*WISE PARENTS, HEALTHY BABIES	USIIAA	PHANTOM PAIN	USNMAC
WOOD PRESERVATION - CONTROL OF WOOD DESTROYING ORGANISM	USN	POSITIVE APPROACH TO THE PSYCHIATRIC PATIENT, A	USVA
<b>PREGNANCY</b>		*PSYCHOLOGICAL HAZARDS IN INFANCY	USDHEW
*FORCEPS DELIVERIES - A SERIES	USA	PSYCHOTHERAPEUTIC INTERVIEWING - INTRODUCTION	USVA
*FORCEPS DELIVERIES, PT 1, PREREQUISITES FOR FORCEPS DELIVERIES	USA	PSYCHOTHERAPEUTIC INTERVIEWING - METHOD OF PROCEDURE	USVA
*FORCEPS DELIVERIES, PT 3, TRACTION	USA	RHESUS MONKEYS OF SANTIAGO ISLAND, THE - PUERTO RICO	USNMAC
*FORCEPS DELIVERIES, PT 4, TRANSVERSE ARREST	USA	RX ATTITUDE	USVA
*FORCEPS DELIVERIES, PT 5, KEILLAND FORCEPS	USA	SENSORY CONDUCTION STUDIES - MEDIAN NERVE	IJSNMAC
*FORCEPS DELIVERIES, PT 6, FORCEPS MANAGEMENT OF FACE PRESENTATIONS	USA	SHADES OF GRAY	USA
*FORCEPS DELIVERIES, PT 7, BARTON FORCEPS	USA	SHOWDOWN	USNMAC
*FORCEPS DELIVERIES, PT 8, PIPER FORCEPS FOR AFTER-COMING HEAD	USA	SUICIDE PREVENTION IN HOSPITALS	USVA
*MATERNITY CARE - LABOR AND DELIVERY	USN	SURVIVAL STRESSES	USAF
*WISE PARENTS, HEALTHY BABIES YEAR OF BIRTH	USNMAC	TESTING AND INDIVIDUAL THERAPY FOR THE APHASIC PATIENT	USVA
<b>PSYCHIATRY AND PSYCHOLOGY</b>		*TOM UNDER PRESSURE WAR AND ADVICE	USNIMH USNMAC USAF
ACTIVITY FOR SCHIZOPHRENIA	USVA	<b>RESEARCH</b>	
ALL IT TAKES IS ONCE APPROACH TO UNDERSTANDING DYNAMICS, AN	USFAA	ACROMEGALY (DIAGNOSIS- ETIOLOGY-THERAPY)	USAEC
BEHAVIOR THERAPY WITH AN AUTISTIC CHILD	USVA	*AFRICAN HORSE SICKNESS	USDA
BOLD NEW APPROACH	USPHS	*BRUCELLOSIS RING TEST	USDA
BOOKED FOR SAFEKEEPING	USPHS	CLINICAL TONOMETRY	USNMAC
CHARLIE	USPHS	CONCEALED HOMICIDE, THE	USNMAC
CLINICAL PICTURE OF ANXIETY	USFAA	*EQUINE INFECTIOUS ANEMIA	USDA
HYSTERIA, A	USVA	GERMFREE ANIMALS IN MEDICAL RESEARCH	USNMAC
CLINICAL PICTURE OF CLAUSTROPHOBIA, A	USVA	HEART RESEARCH NEWS	USNMAC
*COMMUNITY IN QUEST, THE CRY FOR HELP, THE	USNIMH	HIGHLIGHTS OF HEART RESEARCH	USNMAC
CURRENT TRENDS IN THE THERAPY FOR NARCOTIC ADDICTION	USNMAC	*INTRODUCTION TO MAMMOGRAPHY	SL
*EMOTIONAL TIES IN INFANCY	USPHS	KIDNEY FUNCTION TESTS	USNMAC
FAMILY DOCTOR, PSYCHIATRIST, AND DEPRESSED PATIENT	USNMAC	LASER-MIRACLES WITH LIGHT	USA
HEADBANGERS, THE	USPHS	LIFE CRISIS AND PHYSICAL COMPLAINTS	USNMAC
INSOMNIA	USN	*MALARIA ERADICATION	USIA
INTRODUCTION TO COMBAT	USN	*MAMMOGRAPHY - A SERIES	SL
FATIGUE--DOCTOR'S VERSION	USN	*MAMMOGRAPHY TECHNIQUE	SL
INTRODUCTION TO COMBAT	USN	MEDICAL RESEARCH REACTOR	USAEC
FATIGUE--PATIENT'S VERSION	USN	*MEN WHO CARE	USIA
*INVOLUNTARY HOSPITALIZATION OF THE PSYCHIATRIC PATIENT - SHOULD IT BE ABOLISHED?	USNMAC	*NATURE OF HUMAN COLOR CHANGE, THE - GENETIC, HORMONAL, NEOPLASTIC	USNMAC
*ISLANDS OF UNDERSTANDING	USSRS	NEW DIAGNOSTIC PROCEDURES IN THE DIAGNOSIS OF PITUITARY DISEASE	USNMAC
*LAST CHANCE, THE MAN IN FLIGHT	USSRS	PLASTIC ISOLATORS - NEW TOOLS FOR MEDICAL RESEARCH	USNMAC
*MAN'S SHORTCOMINGS	USAF	*PLUM ISLAND ANIMAL DISEASE LABORATORY	USDA
MARIJUANA, LSD AND THE MIND - A DILEMMA FOR MEDICINE AND SOCIETY	U.S.BM	PREVENTIVE MEDICINE - A USAF TEAM IN ACTION	USAF
	USNMAC	SUDDEN NATURAL DEATH	USNMAC
		SUICIDE PREVENTION IN HOSPITALS	USVA
		TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 1 - DIRECT METHOD	USNMAC
		TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 2	USNMAC
		THRESHOLD	USDHEW
		*TO SEEK, TO TEACH, TO HEAL TRAUMATIC AND CHEMICAL ASPHYXIA, PT 1	USNIH
			USNMAC

\* INDICATES NEW ENTRY

# MEDICINE

## RESEARCH - (Continued)

TRAUMATIC AND CHEMICAL ASPHYXIA, PT 2	USNMAC	CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 2	USNMAC
YEAR OF BIRTH	USNMAC	DIAGNOSIS AND MANAGEMENT OF RHEUMATOID ARTHRITIS	USNMAC
<b>RESPIRATORY SYSTEM</b>		INDICATIONS FOR A THERAPEUTIC ABORTION	USNMAC
ACUTE OR CHRONIC RESPIRATORY FAILURE	USNMAC	IODINE-131	USAEC
*BREATH IN TIME, A CHRONIC BRONCHITIS AND PULMONARY EMPHYSEMA. THE APPLICATION OF PHYSICAL MEDICINE AND ..	USBM	OPERATING ROOM DEATHS	USNMAC
CHRONIC OBSTRUCTIVE PULMONARY DISEASE-BREATHING PATTERNS	USNMAC	PRINCIPLES OF LONG-TERM STEROID THERAPY	USNMAC
CHRONIC OBSTRUCTIVE PULMONARY DISEASE- DIAPHRAGMATIC BREATHING	USNMAC	PROBLEMS IN THE MANAGEMENT OF GRAVES' DISEASE	USNMAC
CHRONIC OBSTRUCTIVE PULMONARY DISEASE- INTERMITTENT POSITIVE PRESSURE BREATHING	USNMAC	SEIZURE--THE MEDICAL TREATMENT AND SOCIAL PROBLEMS OF EPILEPSY	USVA
CHRONIC OBSTRUCTIVE PULMONARY DISEASE-THE USE OF OXYGEN IN PHYSICAL THERAPY ...	USNMAC	STORY OF ROCKY MOUNTAIN SPOTTED FEVER, THE	USNMAC
COLLECTION AND PROCESSING OF SPECIMENS FOR RESPIRATORY VIRUS ISOLATION	USNMAC	TECHNICAL PROCEDURES FOR DIAGNOSIS AND THERAPY IN CHILDREN	USN
EPIDEMIC OF HISTOPLASMOSIS, AN FAIR WARNING	USNMAC	TELETHERAPY AND BRACHYTHERAPY	USAEC
INTENSIVE RESPIRATORY CARE	USNMAC	TESTING AND INDIVIDUAL THERAPY FOR THE APHASIC PATIENT	USVA
INTRODUCTION TO RESPIRATORY AND CARDIAC RESUSCITATION	USNMAC	THERAPEUTIC EXERCISE- -INTRODUCTION	USA
MEDICAL ASPECTS OF DIVING, PT 2, EFFECTS OF Elevated PARTIAL PRESSURE OF GASES	USA	THERAPEUTIC EXERCISE- -ORTHOPEDICS	USA
OBSTRUCTIVE LUNG DISEASE	USN	THERAPEUTIC USES OF HEAT AND COLD, PT 1, ADMINISTERING HOT APPLICATIONS	USDA
PREOPERATIVE EVALUATION OF LUNG FUNCTION	USNMAC	THERAPEUTIC USES OF HEAT AND COLD, PT 2, ADMINISTERING COLD APPLICATIONS	USOE
*PREVENTING COAL PNEUMOCONIOSIS THROUGH ENGINEERING CONTROLS	USNM	ULCERATIVE COLITIS	USNMAC
PULMONARY DISEASE CONFERENCE, PT 1	USNMAC	<b>VETERINARY MEDICINE</b>	
PULMONARY DISEASE CONFERENCE, PT 2	USNMAC	*AFRICAN HORSE SICKNESS	USDA
RESPIRATORY EXERCISES FOR THE PARKINSON PATIENT	USNMAC	AIR FORCE VETERINARY SUPPORT FOR THE MILITARY DOG PROGRAM IN SOUTHEAST ASIA	USAF
SPUTUM COLLECTION AND HANDLING	USNMAC	*BACK THE ATTACK ON BRUCELLOSIS	USDA
*TOBACCO TUBERCULOSIS	USNIMH USIAA	*BLUE TONGUE	USDA
<b>STROKE.</b>		*BOVINE CONTAGIOUS PLEUROPNEUMONIA	USDA
DIAGNOSIS AND SURGICAL TREATMENT OF OCCLUSIVE CEREBRAL VASCULAR DISEASE	USNMAC	*BRUCELLOSIS RING TEST	USDA
FIRST AID FOR HEAT STROKE AND HEAT EXHAUSTION	USN	*EQUINE INFECTIOUS ANEMIA	USDA
HEAT DISORDERS - GENERAL EFFECTS OF HEAT ON MAN	USA	*EXPOSED	USDA
READY FOR EDNA	USNMAC	GERMFREE ANIMALS IN MEDICAL RESEARCH	USNMAC
STROKE PATIENT, THE, PT 1, GROSS PROGNOSTIC EVALUATION	USNMAC	*HOG CHOLERA - AFRICAN SWINE FEVER, A COMPARISON	USDA
STROKE PATIENT, THE, PT 2, DETAILED FUNCTIONAL EVALUATION	USNMAC	*HOG CHOLERA - ITS DIAGNOSIS LABORATORY DIAGNOSIS OF RABIES IN ANIMALS	USDA
<b>THERAPEUTICS</b>		LABORATORY DIAGNOSIS OF RABIES IN ANIMALS (SPANISH) (REV ED)	USNMAC
CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 1	USNMAC	*MARKET CATTLE TESTING FOR BRUCELLOSIS	USDA
CONTROVERSIAL ASPECTS OF RHEUMATOID ARTHRITIS	USNMAC	*ONE BUG IS TOO MANY	USDA
	USNMAC	*OUTBREAK	USDA
	USNMAC	*PSOROPTIC SHEEP AND CATTLE SCABIES	USDA
	USNMAC	*RINDERPEST	USDA
	USNMAC	*SCRAPIE	USDA
	USNMAC	*STAMP OUT HOG CHOLERA	USDA
	USNMAC	(*SPANISH)	USDA
	USNMAC	*STAMP OUT HOG CHOLERA	USDA
	USNMAC	*TRACEBACK	USDA
	USNMAC	*VEE - A NATIONAL EMERGENCY	USDA
	USNMAC	VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLUMBIA	USPHS
	USNMAC	VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLOMBIA (SPANISH)	USPHS

\* INDICATES NEW ENTRY

**MEDICINE**
**VETERINARY MEDICINE - (Continued)**

- \*VESICULAR DISEASES OF ANIMALS (REV ED)
- \*VESICULAR EXANTHEMA
- \*VETERINARIAN, USDA

**VIROLOGY**

- ARTHROPOD-BORNE ENCEPHALITIS- ITS EPIDEMIOLOGY AND CONTROL
- COAGULASE AND CLUMPING FACTOR TESTS FOR STAPHYLOCOCCUS AUREUS, THE
- EMBRYONATED EGG TECHNIQUES, PT 1 - INOCULATION
- EMBRYONATED EGG TECHNIQUES, PT 2 - HARVESTING
- ENEMY IN YOUR HOME
- EPIDEMIOLOGY OF INFLUENZA, THE INFLUENZA VIRUS ISOLATION
- LABORATORY DIAGNOSIS OF RABIES IN ANIMALS
- LABORATORY DIAGNOSIS OF RABIES IN ANIMALS (SPANISH) (REV ED)
- MIRACLE IN TONGA
- OX CELL HEMOLYSIN TEST FOR DIAGNOSIS OF INFECTIOUS MONONUCLEOSIS
- PREPARATION F PRIMARY MAMMALIAN KIDNEY CELL CULTURE
- RABIES CONTROL IN THE COMMUNITY
- RABIES CONTROL IN THE COMMUNITY (SPANISH)
- RABIES F-A STAINING
- SOLUBILITY AND OPTOCHINE TESTS FOR STREPTOCOCCUS PNEUMONIAE
- TECHNIQUES OF LABORATORY DIAGNOSIS OF INFLUENZA

**PHYSICAL SCIENCE**
**AIR**

- ATMOSPHERIC STABILITY AND INSTABILITY - STABILITY AND THE WEATHER

**ASTRONOMY**

- ASTRONOMICAL TRIANGLE, THE DAY'S WORK OF A NAVIGATOR AT SEA
- \*MARINER/MARS, 1969
- \*MOON OLD AND NEW, THE NAUTICAL ASTRONOMY
- RADIO ASTRONOMY EXPLORER
- SATELLITE ASTRONOMY - PROGRESS AND PROMISE
- SEAS OF INFINITY
- SEEDS OF DISCOVERY
- STAR IDENTIFICATION

**GEOLOGY**

- \*AIM, ACTION, ACHIEVEMENT
- \*AVALANCHE CONTROL
- CHALLENGE OF UNANSWERED QUESTIONS, THE
- \*EARTHQUAKE
- \*EARTHQUAKE
- \*EMERGENCY INVESTIGATION OF COAL WASTE EMBANKMENTS
- \*ERTS - EARTH RESOURCES TECHNOLOGY SATELLITE
- \*ERUPTION OF KILAUEA 1959-60

USDA	*ERUPTION OF KILAUEA 1959-60 (SPANISH)	USGS
USDA	*GEOLOGY FROM SPACE	FS USNASA
USDA	LAND BENEATH THE SEA, THE	USN
USDA	*LAND OF HAWAII	USDA
USDA	MARTIAN INVESTIGATORS, THE	USNASA
USNMAC	*NINETEEN HUNDRED FIFTY-FIVE ERUPTION OF KILAUEA VOLCANO, HAWAII	USGS
USNMAC	*RESPONSE TO DISASTER	USAEE
USNMAC	SEA RIVER, THE	USGS
USNMAC	SPOTLIGHT ON RECOVERY	USFAA
USNMAC	SUMMER MOVEMENTS IN THE ARCTIC	USA
USNMAC	THOUGH THE EARTH BE MOVED, THE ALASKAN EARTHQUAKE	USOCD
<b>OCEANOGRAPHY</b>		
USNMAC	AIRBORNE OCEANOGRAPHY - OCEANOGRAPHER OF THE NAVY	USN
USPHS	BATHYMETRY - DISCOVERING THE OCEAN FLOOR - CHARTING THE OCEAN BOTTOM	USN
USNMAC	BEACH INTELLIGENCE - SHORELINE PROCESSES	USN
USNMAC	BEACH INTELLIGENCE - WAVES, BREAKERS, AND SURF	USN
USNMAC	*BOMEX	USNOAA
USNMAC	CAREERS IN OCEANOGRAPHY	USN
USNMAC	DEEP SEA DRILLING PROJECT	USNSF
USNMAC	FOOTPRINTS IN THE SEA	USN
USNMAC	LAND BENEATH THE SEA, THE	USN
USNMAC	MAN IN THE SEA	USIA
USNMAC	MAN IN THE SEA - JOURNEY OF SEA LAB 2	USN
USNMAC	MISSION OCEANOGRAPHY	USN
USNMAC	MONO LAKE PROJECT	USAEE
USNMAC	NATURE OF SEA WATER	USN
USNMAC	OCEAN PHENOMENON - THE DEEP SCATTERING LAYER	USN
USNMAC	OCEANOGRAPHIC PREDICTION SYSTEM	USN
USNMAC	OCEANOGRAPHIC RESEARCH WITH THE COUSTEAU DIVING SAUCER	USN
USNMAC	OCEANOGRAPHY-SCIENCE FOR SURVIVAL	USN
USNMAC	SCIENTIST IN THE SEA	USN
USNMAC	SEALAB I	USN
USNMAC	*SIXTY DAYS BENEATH THE SEA - TEKTITE I	USN
USNMAC	*THIRTY DAYS BENEATH THE SEA	USN
USNMAC	TIME LAPSE STUDY OF ANTARCTIC ICE FLOES AND TIDAL CURRENTS	USN
USNMAC	UNDERWATER SOUND - BASIC PRINCIPLES	USN
USNMAC	VENOMOUS ANIMALS OF THE SEA	USN
USNMAC	WATER MASSES OF THE OCEAN	USN
<b>SPACE AND SOLAR SYSTEM</b>		
USDA	ARIEL - THE FIRST INTERNATIONAL SATELLITE	USNASA
USDA	*ARIEL 2	USNASA
USNMAS	DAY'S WORK OF A NAVIGATOR AT SEA	USN
USDA	LOG OF MARINER IV	USNASA
USDA	MARTIAN INVESTIGATORS, THE	USNASA
USNMAS	MEN ENCOUNTER MARS	USNASA
USOCD	ORBITING SOLAR OBSERVATORY	USNASA
USDCPA	SEAS OF INFINITY	USNASA
USBM	SEEDS OF DISCOVERY	USNASA
USNMAS	SOLAR ECLIPSE EXPEDITION, 1966	USAEC
USGS	*SPACE IN THE 70'S - EXPLORATION OF THE PLANETS	USNASA
USGS	*SPACE IN THE 70'S - MAN IN SPACE - THE SECOND DECADE	USNASA

\* INDICATES NEW ENTRY

**PHYSICAL SCIENCE**  
**SPACE AND SOLAR SYSTEM - (Continued)**

*SPACE IN THE 70'S - SERIES	USNASA	PRESSURE SYSTEMS AND WIND	USA
SPACE NAVIGATION	USNASA	RADAR EYES THE WEATHER, PT A -	
SPACE NAVIGATION	USAF	FUNDAMENTALS OF RADAR	
TRIAL BALANCE	USNASA	METEOROLOGY	
VIEW OF THE SKY, A	USNASA	*RAINDROPS AND SOIL EROSION	USAF
<b>WEATHER</b>		RENDEZVOUS 90 DEGREES	USDA
AEROLOGY (THUNDERSTORMS), PT		FAHRENHEIT SOUTH	USAF
1, - FORMATION AND STRUCTURE		SCATTER RADAR - SPACE	
OF THUNDERSTORMS	USN	RESEARCH FROM THE GROUND	USESSA
*AIR FORCE NOW, THE, NO. 13	USAF	SHACKLES FOR THE GIANT	USAЕ
AIR MASSES AND FRONTS - AIR	USAF	THOUSAND-MILE MIRACLE	USAЕ
MASSES	USAF	TIME LAPSE STUDY OF ANTARCTIC	
AIR MASSES AND FRONTS - FRONTS	USAF	ICE FLOES AND TIDAL CURRENTS	USN
AND THE SURFACE WEATHER MAP	USAF	TORONADO	USESSA
AIR MASSES AND FRONTS - THE	USAF	*WATER	USDA
COLD FRONT	USAF	*WATERS FROM THE MOUNTAIN	USDA
AIR MASSES AND FRONTS - THE	USAF	*WATERSHED WILDFIRE	USDA
OCCLUDED FRONT	USAF	*WEATHER-ROOFING BACA COUNTY	USDA
AIR MASSES AND FRONTS - THE	USAF		
WARM FRONT	USAF		
AIR WEATHER SERVICE OF THE	USAF		
USAF, THE	USAF		
ALL WEATHER TESTING OF		<b>PHYSICS</b>	
AERONAUTICAL SYSTEMS			
ATMOSPHERIC STABILITY AND		<b>ACOUSTICS</b>	
INSTABILITY - EXISTING		INTRODUCTION TO UNDERWATER	
TEMPERATURE DISTRIBUTION		SOUND	USN
ATMOSPHERIC STABILITY AND	USN	LINK	USAЕC
INSTABILITY - STABILITY AND THE		OCEAN PHENOMENON - THE DEEP	
WEATHER		SCATTERING LAYER	USN
ATMOSPHERIC STABILITY AND	USN	*SOUNDS ON THE SEA	USN
INSTABILITY - THERMAL		TALKING WITH DOLPHINS	USN
CONVECTION		UNDERWATER SOUND - BASIC	USN
ATMOSPHERIC STABILITY AND	USN	PRINCIPLES	USN
INSTABILITY - ADIABATIC			
PROCESS		<b>AERODYNAMICS</b>	
*BOMEX	USN	AERODYNAMICS - FORCES ACTING	
DATELINE ALASKA	JSNOAA	ON AN AIR FOIL	USAF
*DUST IS DYING, THE	USDOD	AERODYNAMICS - FUNDAMENTALS	
FACE OF DISASTER, THE	USDA	OF ROLL-DIVERGENCE	USN
*FIRE IN THE FOREST	USOCD	*AEROELASTIC PHENOMENA AND	
FIVE DAYS OF BETSY, THE	USDA	RELATED RESEARCH	USNASA
*FLYING THE WEATHER MAP	USOCD	BALLISTIC MISSILE TRAJECTORIES	USAЕ
*FLYING THE WEATHER MAP - THE	USN	BASIC HELICOPTER FLIGHT	
EQUATORIAL FRONT	USN	PRINCIPLES	USA
*FLYING THE WEATHER MAP -		BEYOND THE STICK AND RUDDER	USAF
WEATHER FOR THE NAVIGATOR		CROSSWIND TECHNIQUE FOR A	
*FRIENDLY WATERS	USN	CONVENTIONAL GEARED FIXED	
HURRICANE CALLED BETSY, A	USDA	WING AIRCRAFT	USA
HURRICANE CIRCUIT	USOCD	DENSITY ALTITUDE	USFAA
HURRICANE HUNTERS	USDS	FLIGHT WITHOUT WINGS	USNASA
HURRICANE HUNTERS.	USN	*FOOD PREPARATION (SPANISH)	USNMAC
*ICE	USN	HELICOPTER ORIENTATION -	
IN CARLA'S WAKE	USCG	INTRODUCTION TO ROTARY WING	
IT HAPPENED IN TEXAS (HURRICANE	USAE	FLIGHT	USN
BEULAH '67)		HOW AIRPLANES FLY	USFAA
KNOW YOUR CLOUDS	USOCD	OPERATION OF JET AIRCRAFT	
*LADY CALLED CAMILLE, A	USA	ENGINES	USN
*LADY CALLED CAMILLE, A	USOCD	PLANETARY GEARS, PRINCIPLES OF	
(SPANISH)		OPERATION, PT 1, SINGLE SETS	USA
METEOROLOGY - FOG AND LOW	USOCD	PLANETARY GEARS, PRINCIPLES OF	
CEILING CLOUDS	USN	OPERATION, PT 2, MULTIPLE SETS	USA
METEOROLOGY - ICE FORMATION	USN	TURBOPROP/TURBOSHAFT ENGINES	
ON AIRCRAFT	USN	- INTRODUCTION	USN
METEOROLOGY - THE COLD FRONT	USN	WAKE TURBULENCE (REV)	USFAA
METEOROLOGY - THE WARM FRONT	USN	WHY ENGINES ARE GOVERNED	USA
*METEOROLOGY FROM SPACE	USN		
MODER:1 WEATHER - THEORY AND	USN	<b>ATOMIC AND NUCLEAR ENERGY</b>	
STRUCTURE OF STORMS-	USN	AIR AND GAS CLEANING FOR	
-WEATHER IN VARIOUS PARTS OF	USN	NUCLEAR ENERGY	USAЕC
AN...	USN	*ALPHA, BETA, AND GAMMA	USAЕC
NEW LOOK AT FOG, A	USFAA	ANALYSIS OF NUCLEON - NUCLEON	
OPERATION NOAH	USA	SCATTERING EXPERIMENTS	USAЕC
OTHER SIDE OF THE RIVER, THE	USAE	ATOMIC POWER TODAY - SERVICE	
PLAN FOR PROTECTION	USAE	WITH SAFETY	USAЕC
	FS	ATOMIC WEATHERMAN -	

\* INDICATES NEW ENTRY

STRONTIUM-90 ISOTOPIC APPLICATIONS	USAEC	AIRCRAFT MAGNETO, THE - THEORY AND OPERATION OF THE FOUR-POLE MAGNETO	USAF
COUNTING WHOLE BODY RADIACTIVITY	USAEC	APPLICATION OF PASCAL'S LAW, PT 1	USN
DESATLING THE SEAS	USAEC	APPLICATION OF PASCAL'S LAW, PT 2	USN
ELEMENTS OF ELECTRICITY	USA	DERIVATION OF PASCAL'S LAW, PT 1	USN
EXPLORATION AT BOULDER	USNBS	DOPPLER PRINCIPLES	USAF
FABRICATION OF THE ACCELERATOR STRUCTURE	USAEC	OHM'S LAW	USAF
FARM FRESH TO YOU	USAEC	OHM'S LAW	USA
FUNDAMENTALS OF RADIOACTIVITY	USA	OIL GEAR HYDRAULIC TRAVERSING MECHANISM, THE - PRINCIPLES OF OPERATION	USA
HIGH ENERGY PEOPLE, THE MAN AND THE ATOM	USAEC	OPERATION OF JET AIRCRAFT ENGINES	USN
MEDICAL ASPECTS OF NUCLEAR RADIATION	USA	PLANETARY GEARS, PRINCIPLES OF OPERATION, PT 1, SINGLE SETS	USA
MEDICAL EFFECTS OF THE ATOMIC BOMB, PT 1, PHYSICS, PHYSICAL DESTRUCTION, CASUALTY ...	USA	PLANETARY GEARS, PRINCIPLES OF OPERATION, PT 2, MULTIPLE SETS	USA
NUCLEAR POWER FOR SPACE - SNAP-9A	USAEC	PRINCIPLES OF GAS-FILLED TUBES	USOE
PERSIMMON - A NUCLEAR PHYSICS EXPERIMENT	USAEC	PRINCIPLES OF GEARING - AN INTRODUCTION	USOE
<b>BIOPHYSICS</b>	USN	REFRIGERATION - PRINCIPLES OF MECHANICAL REFRIGERATION	USAF
ABC OF G, THE		SPACE ORBITS	USA
<b>ENERGETICS</b>			
ANALYSIS OF NUCLEON - NUCLEON SCATTERING EXPERIMENTS	USAEC	<b>RADIATION</b>	
FUSION RESEARCH	USAEC	*ADDED SENSE, AN - THE DETECTION OF NUCLEAR RADIATION	USAEC
G FACTS	USAF	*ALPHA, BETA, AND GAMMA FRESHER THE BETTER, THE FUNDAMENTALS OF RADIOACTIVITY	USAEC
HIGH ENERGY PARTICLE ACCELERATORS	USAEC	GREAT IS THE HOUSE OF THE SUN	USA
<b>KINETICS</b>	USA	LIVING WITH RADIATION	USNASA
FUNDAMENTALS OF BALLISTICS	USN	MAN AND RADIATION	USAEC
GYROSCOPE AND GRAVITATION, THE KINETIC EXPERIMENT ON WATER BOILERS	USAEC	MANY FACES OF ARGONNE, THE MIT RESEARCH REACTOR	USAEC
OIL GEAR HYDRAULIC TRAVERSING MECHANISM, THE - PRINCIPLES OF OPERATION	USA	PRINCIPLES OF X-RADIATION	USVA
PRINCIPLE OF MOMENTS	USOE	PROPERTIES OF RADIATION	USA
PRINCIPLES OF GEARING - AN INTRODUCTION	USOE	*RADIATION DETECTION BY IONIZATION	USAEC
PRINCIPLES OF LUBRICATION	USOE	*RADIATION DETECTION BY SCINTILLATION	USAEC
SPERT 1 - REACTOR SAFETY EXPERIMENTS	USOE	X-RAY SPECTROSCOPY - THE INSIDE STORY	USNASA
TENSION TESTING	USAEC	<b>RADIOISOTOPE</b>	
<b>MAGNETISM</b>	USOE	FUNDAMENTALS OF RADIOACTIVITY	USA
AIRCRAFT MAGNETO, THE - THEORY AND OPERATION OF THE FOUR-POLE MAGNETO	USAF	<b>RESEARCH</b>	
MAGNETIC CORES, PT 1, PROPERTIES	USA	EXPLORATION AT BOULDER HIGH ENERGY PARTICLE ACCELERATORS	USNBS
MAGNETIC CORES, PT 2, BASIC CIRCUITS	USA	HIGH ENERGY PHYSICS RESEARCH	USAEC
MAGNETISM, PT A	USA	IT'S YOU AGAINST THE PROBLEM	USNASA
MAGNETISM, PT B	USAF	LINK	USAEC
<b>NEUTRON</b>	USAF	MAN AND THE ATOM	USAEC
ANALYSIS OF NUCLEON - NUCLEON SCATTERING EXPERIMENTS	USAEC	OHM'S LAW	USAF
ARGONNE FAST SOURCE REACTOR	USAEC	POETRY OF POLYMERS, THE PRINCIPLES OF GAS-FILLED TUBES	USNBS
NEUTRON ACTIVATION	USAEC	*REDUCED-GRAVITY SIMULATOR	USOE
NEUTRON DIFFRACTION	USAEC	FOR STUDY OF MAN'S SELF LOCOMOTION	USNASA
NEUTRON IMAGE DETECTOR	USAEC	*SPACE IN THE 70'S - THE KNOWLEDGE BANK	USNASA
ORGANIC MODERATED REACTOR EXPERIMENT	USAEC	TRAPPING OF FREE RADICALS AT LOW TEMPERATURES	USNBS
PERSIMMON - A NUCLEAR PHYSICS EXPERIMENT	USAEC	UNIVERSE ON A SCRATCHPAD	USNASA
PROJECT GNOME	USAEC	<b>SPECTRUM</b>	
	USAEC	ARGONNE FAST SOURCE REACTOR	USAEC

\* INDICATES NEW ENTRY

**PHYSICS****SPECTRUM - (Continued)**

BETA RAY SPECTROMETER  
 FREQUENCY SPECTRUM  
 FREQUENCY SPECTRUM  
 FREQUENCY SPECTRUM -  
 WAVELENGTHS AND FREQUENCY  
 LIGHT-SENSITIVE MATERIALS  
 MEASUREMENT WITH LIGHT WAVES  
 TRAPPING OF FREE RADICALS AT  
 LOW TEMPERATURES  
 X-RAY SPECTROSCOPY - THE INSIDE  
 STORY

**RECREATION****CAMPING**

\*CREW BOSS  
 \*RURAL HOLIDAYS  
 \*SMOKEY THE BEAR  
 \*TENT FLAPS AND FLAPJACKS  
 \*VISION IN THE FOREST  
 \*VOICE OF THE FOREST  
 \*WILDERNESS ENCAMPMENT

**CLUBS**

BLUE RIBBON  
 FLYING CLUBS  
 \*THIS IS YOUR FOREST  
 \*WILDERNESS ENCAMPMENT

**LEISURE TIME**

\*FOREST, THE  
 \*NATIONAL FOREST TRAILS  
 RECREATIONAL AND OCCUPATIONAL  
 THERAPY  
 \*RURAL HOLIDAYS  
 \*STAMPS - A NATION'S CALLING  
 CARDS  
 \*TENT FLAPS AND FLAPJACKS  
 \*THIS IS YOUR FOREST  
 \*WILDERNESS TRAIL  
 \*WILDLIFE AND THE HUMAN TOUCH  
 \*WOODLAND MANNERS

**MUSIC**

CRADLE IS ROCKING, THE  
 HERITAGE OF THE CORPS  
 HYMN OF THE NATIONS  
 \*JAZZ BY BERKLEE  
 \*JAZZ IN THE CLASSROOM  
 LEATHERNECK AMBASSADORS  
 \*MARINE CORPS JUNIOR ROTC  
 \*MUSIC IN THE FOREST  
 ODE TO JOY  
 \*PATTERNS IN JAZZ  
 \*ROBERT JOFFREY BALLET  
 SYMPHONY ACROSS THE LAND  
 TRADITION IN MUSIC, A

**PHYSICAL ACTIVITIES**

\*AIR FORCE NOW, THE, NO. 11  
 COMBATIVE MEASURES - JUDO  
 DEEP SEA DIVING - THE DIVING  
 DRESS  
 DEEP SEA DIVING - THE TECHNIQUE  
 OF DIVING  
 EXPERIMENTAL DIVING UNIT -  
 EVALUATION OF PHYSICAL  
 FITNESS BY THE STEP-UP TEST  
 FINAL GAME, THE  
 INTRODUCTION TO ISOKINETIC  
 EXERCISE  
 \*LOOP, THE  
 MAKING OF A CHAMPION, THE

USAEC	MAN IN SPORTS	USIA
USAF	NAVY BOBSLED RACING TEAM	USN
USAF	PERSONAL ENCOUNTER	USA
USAF	PHYSICAL FITNESS FOR WAVES -	
USN	MAKEUP FROM THE NECK DOWN	USN
USOE	*RIGHT WAY, THE	USN
USNBS	SWIMMING FOR SURVIVAL	USN
	USAF SPORTS AND RECREATION	
	1964	USAF
USNASA	*WINTER OLYMPICS	USDA

**PLAYGROUND ACTIVITIES**

TAKE SAFETY WITH YOU

USAЕ

**SINGING**

\*SINGING CROSSROADERS, THE  
 \*SMOKEY THE BEAR  
 \*VOICE OF THE FOREST

USIA  
 USDA  
 USDA

**TRAVEL**

ALLIED VIEW OF AMERICAN  
 HERITAGE, AN  
 HEADQUARTERS U S A  
 \*LAND OF THE SKY  
 \*NATIONAL FOREST TRAILS  
 \*WONDERS OF WILDERNESS

USAF  
 USDOD  
 USDA  
 USDA  
 USDA

**REHABILITATION****AMPUTEES**

AMBULATION TRAINING FOR THE  
 PARKINSON PATIENT

AMBULATION TRAINING OF THE  
 HEMIPLEGIC PATIENT

DIARY OF A SERGEANT

EMPLOYING DISABLED WORKERS IN  
 INDUSTRY

ESTABLISHING WORKING RELATIONS  
 FOR THE DISABLED WORKER

HYGIENIC PROCEDURES FOR THE  
 AMPUTEE

INSTRUCTING THE DISABLED  
 WORKER ON THE JOB

UPPER EXTREMITY PROSTHETIC  
 PRINCIPLES

\*WHERE THERE'S A WILL

USNMAC  
 USNMAC  
 USA  
 USOE  
 USOE  
 USNMAC  
 USOE  
 USVA  
 USSR

**BLIND**

BORN A MAN

EMPLOYING BLIND WORKERS IN  
 INDUSTRY

INSTRUCTING THE BLIND WORKER  
 ON THE JOB

LONG CANE, THE, PT 1, INDOORS

LONG CANE, THE, PT 2, OUTDOORS

MY CHILD IS BLIND

WAY OUT OF THE WILDERNESS, A

USIA  
 USOE  
 USOE  
 USVA  
 USVA  
 USA  
 USNMAC

**CRIPPLED CHILDREN**

WAY OUT OF THE WILDERNESS, A

USNMAC

**DEAF-BLIND**

DEAF-BLIND, THE  
 MULTIPLE HANDICAPPED, THE

USBEH  
 USBEH

**EPILEPSY**

CURRENT CONCEPTS IN EPILEPSY,  
 PT 1, INFANTS AND CHILDREN

CURRENT CONCEPTS IN EPILEPSY,  
 PT 2, ADULTS

MULTIPLE HANDICAPPED, THE  
 SEIZURE--THE MEDICAL TREATMENT

USNMAC  
 USNMAC  
 USBEH

\* INDICATES NEW ENTRY

**REHABILITATION**  
**EPILEPSY - (Continued)**

**AND SOCIAL PROBLEMS OF  
EPILEPSY**

**EQUIPMENT**

- \*AFTER THE ACCIDENT
- BASIC TERMINOLOGY FOR REHABILITATION APPLIANCES
- BASIC WHEELCHAIR FEATURES AND HANDLING
- BEATING THE AVERAGES
- BI-VALVE CASTS, THEIR CONSTRUCTION AND APPLICATION
- CRUTCH AND CANE MEASUREMENT
- CRUTCH BALANCING FOR THE PARAPLEGIC PATIENT
- ELEVATION ACTIVITIES OF THE PARAPLEGIC PATIENT
- GAIT TRAINING OF THE PARAPLEGIC HEMIPARETIC PATIENT, THE - IN AND OUT OF CAR - PATIENT WALKING WITH CANE
- HEMIPARETIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE
- INTRODUCTION TO PROLONGED ARTIFICIAL VENTILATION
- LONG CANE, THE, PT 1, INDOORS
- LONG CANE, THE, PT 2, OUTDOORS
- ORIENTATION TO THE USE OF CRUTCHES
- PARAPLEGIC AMBULATION - INITIAL PARALLEL BAR EXERCISES
- PARAPLEGIC PATIENT EDUCATION - MOVING IN AND OUT OF YOUR WHEELCHAIR
- PARAPLEGIC PATIENT EDUCATION - WALKING WITH BRACES AND CRUTCHES
- PARAPLEGIC PATIENT, THE - IN AND OUT OF CAR - PATIENT USING CRUTCHES
- PARAPLEGIC PATIENT, THE - PUTTING ON A FULL BODY BRACE IN A WHEELCHAIR
- PARAPLEGIC PATIENT, THE - TAKING OFF A FULL BODY BRACE IN BED
- PARAPLEGIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE
- QUADRIPIARETIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE
- QUADRUPARETIC PATIENT, THE - TRANSFER FROM BED TO WHEELCHAIR USING A SLIDING BOARD
- TEACHING CRUTCH WALKING
- TECHNIQUE FOR PROPELLING STANDARD WHEELCHAIR BY HEMIPLLEGIC PATIENT
- TRANSFER FROM BED TO WHEELCHAIR WITH ASSISTANCE
- TRANSFERRING FROM WHEELCHAIR TO BED - AFFECTED SIDE OF PATIENT NEXT TO BED
- TRANSFERRING FROM WHEELCHAIR TO BED - NON-AFFECTED SIDE OF PATIENT NEXT TO BED
- TRANSFERRING FROM WHEELCHAIR TO BED WITH MAXIMAL ASSISTANCE
- UPPER EXTREMITY PROSTHETIC PRINCIPLES
- WHEELCHAIR TRANSFERS FOR THE PARAPLEGIC

<b>HEARING AND SPEECH</b>			
	USVA	*ACOUSTICS OF THE CLASSROOM	USBEH
		ANOTHER VOICE	USSRS
		ARTICULATORY MOVEMENTS IN THE	
		PRODUCTION OF ENGLISH	
		SPEECH SOUNDS, PT 1,	
		CONSONANTS	
	USSPC	AUDITORY ASSESSMENT	USVA
	USPHS	*AUDITORY FEEDBACK	USBEH
	USPHS	*AUDITORY TRAINING	MC
	USSRS	DISCRIMINATION	USBEH
		*AUDITORY TRAINING RHYTHM	USBEH
		*CHART STORY, A	USBEH
		*COGNITIVE DEVELOPMENT	USBEH
		*COGNITIVE DEVELOPMENT	USBEH
		*COLLEGE CLASS, A -	USBEH
		SIMULTANEOUS COMMUNICATION	USBEH
		*COLLEGE CLASS, A -	USBEH
		SIMULTANEOUS COMMUNICATION	USBEH
		*COLORS - 1	USBEH
		*COLORS - 2	USBEH
		*COLORS - 3	USBEH
		*COLORS - 4	USBEH
		DEVELOPING AUDIO-VOCAL SYSTEM,	
		THE	
		*DEVELOPING IMAGINATION	USBEH
		*DEVELOPMENTAL AUDITORY	
		RESPONSE PATTERNS, PTS 1 AND	
		2	
		*DEVICES FOR SELF-HELP TASK	
		PERFORMANCE, PT 3	USBEH
	USA	*DIAGNOSIS TECHNIQUES	
	USVA	*DIAGNOSTIC TECHNIQUES	USBEH
	USVA	*DURATION - 1	USBEH
		*DURATION - 2	USBEH
		*DURATION - 3	USBEH
		*EDUCATIONAL DIAGNOSIS	USBEH
		*EDUCATIONAL DIAGNOSIS	USBEH
		*EDUCATIONAL TECHNOLOGY	MC
		*EDUCATIONAL TECHNOLOGY	USBEH
		ELEMENTARY EDUCATION	
		ENGLISH HIGH SCHOOL, AN	USBEH
		*EXPANDING LANGUAGE	USBEH
		*GENERAL SPEECH PATTERNS-1	USBEH
		*GENERAL SPEECH PATTERNS-2	USBEH
		*GENERALIZATION OF INFORMATION	MC
		*GLASS WALL, THE	USBEH
		*I WANNA KNOW	USSRS
		*INCIDENTAL CORRECTION OF	USBEH
		SPEECH	
		INDIVIDUAL SPEECH	USBEH
		INTEGRATED NURSERY, AN	USBEH
		INTRAUTERINE AND NEONATAL	
		SCREENING	USBEH
		*INTRODUCTION - 1	
		*INTRODUCTION - 2, PT 1	USBEH
		*INTRODUCTION - 2, PT 2	USBEH
		*INTRODUCTION - 2, PT 3	USBEH
		JOURNEY BACK	USVA
		*LEARNING TO SPEAK, PT 1	USDHEW
		*LEARNING TO SPEAK, PT 2	USBEH
		*LINGUISTIC ANALYSIS	
		*LISTEN AND TRANSCRIBE	RT
		*LOUDNESS - 1	USBEH
		*LOUDNESS - 2	USBEH
		*LOUDNESS - 3	USBEH
		*MAKING CONTACT - A BEGINNING	
		IN SPEECH AND LANGUAGE	
		THERAPY	
		*MEASURING HEARING	USDHEW
		MECHANISMS OF THE INTRINSIC	USBEH
		MUSCLES OF THE LARYNX	
		*MICROPHONE TECHNIQUES	USNMAC
		*MONTESSORI	USBEH
		*MULTI-SENSORY INPUT FEEDBACK	MC
		MULTIPLE HANDICAPPED, THE	USBEH
	USNMAC		USBEH
	USVA		USBEH
	USNMAC		USBEH

\* INDICATES NEW ENTRY

# REHABILITATION

## HEARING AND SPEECH - (Continued)

PARENT EDUCATION	USBEH	MULTIPLE HANDICAPPED, THE	USBEH
PARENT EDUCATION AT HEIDELBERG	USBEH	NON-VERBAL COMMUNICATION	USVA
*PARENTS EDUCATION PROGRAMS PARTIALLY HEARING, THE	USDHEW	SPACE TO GROW, A	USOE
*PET PEEVES	MC	*TO FIND ANSWERS	USSRS
*PITCH	MC		
*PITCH - 1	USBEH		
*PITCH - 2	USBEH		
*PITCH - 3	USBEH		
*PITCH - 4	USBEH		
*PITCH - 5	USBEH		
*PRECISION OF ARTICULATION IN HEARING CHILDREN	USBEH		
*PRESCHOOL LESSON IN CUED SPEECH, A	USDHEW		
*PRESCHOOL LESSON IN CUED SPEECH, A	USBEH		
*PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1	MC		
*PROBLEMS OF SELF-HELP TASK PERFORMANCE, PT 2	USOE		
*PROJECT SPOT--A SERIES	USOE		
*SAY IT WITH HANDS--A SERIES	USBEH		
SCHOOL OTOLOGICAL-AUDIOLOGICAL FOLLOW-UP	USBEH		
*SELF MONITORING PRACTICE	MC		
*SH - 01	USBEH		
*SH - 02	USBEH		
*SH - 03, PT 01	USBEH		
*SH - 03, PT 02	USBEH		
*SH - 03, PT 03	USBEH		
*SH - 04	USBEH		
*SH - 05	USBEH		
*SH - 06	USBEH		
*SH - 07	USBEH		
*SH - 08	USBEH		
*SH - 09	USBEH		
*SH - 10	USBEH		
SILENT WORLD, MUFFLED WORLD	USNMAC		
*SIMPLIFICATION OF TRANSFORMATIONS	MC		
*SOUND DISCRIMINATION OF HEARING IMPAIRED	USBEH		
SOUND PERCEPTION METHOD, THE	USBEH		
*SPEECH - UPPER GRADE LEVEL	USBEH		
*SPEECH - UPPER GRADE LEVEL	MC		
*SPEECH KIT - 1	USBEH		
*SPEECH KIT - 2	USBEH		
*SPEECH KIT - 3	USBEH		
SPEECH READING	USA		
SPEECH TECHNIQUES	USA		
*STORY-TELLING	MC		
*STORY-TELLING	USBEH		
*TEACHER TALKS TO ME	MC		
*TECHNIQUES OF SPEECH CORRECTION	USBEH		
*TECHNIQUES OF SPEECH CORRECTION	MC		
TO HEAR AGAIN	USBEH		
*USE OF OVERHEAD PROJECTOR	MC		
VERBAL IMPAIRMENT ASSOCIATED WITH BRAIN DAMAGE	USBEH		
*VOCAL APPROACH	USNMAC		
*YOU ARE WELCOME - 1	USBEH		
*YOU ARE WELCOME - 2	USBEH		
*YOU ARE WELCOME - 3	USBEH		
*YOU ARE WELCOME - 4	USBEH		
*YOU ARE WELCOME - 5	USBEH		
*YOU ARE WELCOME - 6	USBEH		
<b>LEARNING DISABILITIES</b>			
*DEVICES FOR SELF-HELP TASK PERFORMANCE, PT 3	USBEH	BODY MECHANICS	USNMAC
INTRODUCTION TO APHASIA	USVA	ELEVATION ACTIVITIES OF THE PARAPLEGIC PATIENT	USNMAC
*MONTESSORI	USBEH	EXERCISES TO MOBILIZE THE SHOULDER	USNMAC
		FUNDAMENTALS OF MASSAGE	USOE
		GAIT TRAINING OF THE PARAPLEGIC HEMIPARETIC PATIENT, THE -	USNMAC
		CHANGING POSITION IN BED	USNMAC
		HEMIPARETIC PATIENT, THE - IN	USNMAC

\* INDICATES NEW ENTRY

**REHABILITATION**  
**PHYSICAL THERAPY. - (Continued)**

AND OUT OF CAR - PATIENT WALKING WITH CANE	USNMAC	TEACHING CRUTCH WALKING TECHNIQUE FOR PROPELLING STANDARD WHEELCHAIR BY HEMIPLEGIC PATIENT	USOE
HEMIPARETIC PATIENT, THE - SITTING UP AND LYING DOWN IN BED	USNMAC	THERAPEUTIC EXERCISE - INTRODUCTION	USNMAC
HEMIPARETIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE	USNMAC	TRANSFER FROM BED TO WHEELCHAIR WITH ASSISTANCE	USA
HEMIPLEGIC PATIENT, THE, PT 2, BED POSITIONING OF THE ACUTE HEMIPLEGIC PATIENT	USNMAC	TRANSFERRING FROM WHEELCHAIR TO BED - AFFECTED SIDE OF PATIENT NEXT TO BED	USNMAC
HEMIPLEGIC PATIENT, THE, PT 3, EVALUATION OF THE HEMIPLEGIC PATIENT FOR STANDING	USNMAC	TRANSFERRING FROM WHEELCHAIR TO BED - NON-AFFECTED SIDE OF PATIENT NEXT TO BED	USNMAC
HEMIPLEGIC PATIENT, THE, PT 4, PASSIVE RANGE OF MOTION HYDROTHERAPY	USNMAC	WHEELCHAIR TRANSFERS FOR THE PARAPLEGIC	USNMAC
INDEPENDENT AMBULATION AND ELEVATION ACTIVITIES OF THE HEMIPLEGIC PATIENT	USNMAC		
INTRODUCTION TO ISOKINETIC EXERCISE	USNMAC		
JOURNEY BACK	USNMAC		
LIVING WITH LIMITATIONS	USNMAC		
LONG CANE, THE, PT 1, INDOORS	USVA	AIRCRAFT ACCIDENT INVESTIGATION	USAF
LONG CANE, THE, PT 2, OUTDOORS	USVA	BOILER REPAIR, WATER SIDE - REMOVING BOILER TUBES	USN
PARAPLEGIC AMBULATION - INITIAL PARALLEL BAR EXERCISES	USVA	BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC CHROME	USN
PARAPLEGIC PATIENT EDUCATION - ACTIVITIES IN YOUR NEW LIFE	USNMAC	BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC FIRE BRICK	USN
PARAPLEGIC PATIENT EDUCATION - JOINT MOTION	USNMAC	*CAUSES AND PREVENTION OF MINE FIRES AND EXPLOSIONS	USBM
PARAPLEGIC PATIENT EDUCATION - MOVING IN AND OUT OF YOUR WHEELCHAIR	USNMAC	CHEMICAL LAB SAFETY	USNMAC
PARAPLEGIC PATIENT EDUCATION - PLANNING YOUR BOWEL PROGRAM	USNMAC	*CLIMBING AND WORKING ON POLES	USA
PARAPLEGIC PATIENT EDUCATION - PREVENTION OF SKIN PROBLEMS	USNMAC	*COAL MINER TODAY	USBM
PARAPLEGIC PATIENT EDUCATION - PREVENTION OF BLADDER PROBLEMS	USNMAC	*COLOR FOR SAFETY	USBM
PARAPLEGIC PATIENT EDUCATION - THE EFFECTS OF SPINAL CORD INJURY	USNMAC	*CONTACT THAT KILLS	USBM
PARAPLEGIC PATIENT EDUCATION - WALKING WITH BRACES AND CRUTCHES	USNMAC	*CONVEYOR BELTS - BE CAREFUL	USBM
PARAPLEGIC PATIENT, THE - PUTTING ON A FULL BODY BRACE IN A WHEELCHAIR	USNMAC	CRANE OPERATIONS - FLOATING CRANES	USN
PARAPLEGIC PATIENT, THE - TAKING OFF A FULL BODY BRACE IN BED	USNMAC	CRANE OPERATIONS - SAFETY PRECAUTIONS	USN
PHYSICAL MANIFESTATIONS AND GOALS OF TREATMENT FOR THE PARKINSON PATIENT	USNMAC	*DANGERS ALONG HAULAGEWAYS	USBM
QUADRUPARETIC PATIENT, THE - CHANGING POSITION AND SITTING UP IN BED	USNMAC	*DO IT WITH E'S	USDA
QUADRUPARETIC PATIENT, THE - SITTING BALANCE IN BED	USNMAC	*DON'T BUILD THAT ROCKET ALONE	FS
QUADRUPARETIC PATIENT, THE - TRANSFER FROM BED TO WHEELCHAIR USING A SLIDING BOARD	USNMAC	*ELECTRICAL EQUIPMENT - MASTER OR SERVANT	USN
RESPIRATORY EXERCISES FOR THE PARKINSON PATIENT	USNMAC	ENGINE CHANGE - INSTALLATION	USOE
SHORT WAY HOME, THE	USNMAC	*ERECTING LARGE POLES	USA
SOCIAL ADJUSTMENT FOR THE APHASIC PATIENT	USNMAC	*FIRST MINUTE, THE	USBM
STEPS TO RECOVERY - REHABILITATION OF THE PATIENT WITH PULMONARY TUBERCULOSIS	USVA	*FIRST THINGS FIRST	USBM
STRETCHING AND MOBILIZATION FOR THE PARKINSON PATIENT	USA	FLIGHT LINE SAFETY	USA
	USNMAC	FOREIGN OBJECTS DAMAGE TO ARMY AIRCRAFT	USA
	USNMAC	*HAULAGE SAFETY IN LOW-COAL MINES	USBM
	USNMAC	HAZARDS IN GROUND OPERATION OF JET AIRCRAFT	USN
	USNMAC	*HAZARDS OF CHURN DRILLING	USBM
	USNMAC	HIDDEN HAZARDS, THE	USPHS
	USNMAC	*HORSE SENSE	USDA
	USNMAC	HOSPITAL FOOD SERVICE SAFETY	USNMAC
	USNMAC	HOW TO PREVENT PRIVATE VEHICLE ACCIDENTS	USA
	USNMAC	*INVESTIGATION - A TOOL FOR ACCIDENT PREVENTION	USBM
	USNMAC	*IT CAN'T HAPPEN TO ME - THE ANATOMY OF AN ACCIDENT	USNASA
	USNMAC	LABORATORY DESIGN FOR MICROBIOLOGICAL SAFETY	USNMAC
	USVA	LESSONS LEARNED FROM AIRCRAFT ACCIDENTS - KNOW YOUR AIRCRAFT	USA
	USA	*LOADING AND UNLOADING POLES	USA
	USNMAC	*MAGIC OF FIRE, THE MAINTENANCE SAFETY IN AVIATION - MURPHY'S LAW	USBM
			USN

\* INDICATES NEW ENTRY

SAFETY

#### **ACCIDENT PREVENTION = (Continued)**

*MAKE THE ROOF SAFE	USBM	HAZARDS IN GROUND OPERATION OF JET AIRCRAFT	USN
*MAN AND HIS HABITS	USBM	*HAZARDS OF TIRE HYDROPLANING TO AIRCRAFT OPERATION	USNASA
MAN AND SAFETY - PHYSICAL LIMITATIONS	USAF	HELICOPTER - ARCTIC OPERATIONS	USAF
*MANAGEMENT'S ROLE IN HEALTH AND SAFETY	USBM	LESSONS LEARNED FROM AIRCRAFT ACCIDENTS - KNOW YOUR AIRCRAFT	
MATERIALS HANDLING EQUIPMENT OPERATION - GANTRY TRUCK AND WAREHOUSE CRANES	USN	METEOROLOGY - ICE FORMATION ON AIRCRAFT	USA
MEDICAL ASPECTS OF DIVING, PT 1, THE MECHANICAL EFFECTS OF PRESSURE	USN	METEOROLOGY - THE COLD FRONT	USN
*MOTIVATION - A MEANS TO ACCIDENT PREVENTION	USBM	METEOROLOGY - THE WARM FRONT	USN
OFF-SITE MONITORING OF FALLOUT FROM NUCLEAR TESTS	USNMAC	MINUTE SAVED, THE	USA
*OH! MY ACHING BACK ON POST SAFETY	USBM	MOODS IN SAFETY	USAF
*OPEN-PIT MINING HAZARDS	USA	OTHER PASSENGER, THE	USFAA
*ORIENTATION AND INDOCTRINATION OF SAFE WORKMEN	USBM	PATH TO SAFETY	USFAA
PATH TO SAFETY	USBM	PHYSIOLOGY OF HIGH ALTITUDE FLYING	USN
PHYSIOLOGY OF HIGH ALTITUDE FLYING	USFAA	RESTRAINT FOR SURVIVAL	USFAA
*PLAN FOR SURVIVAL	USN	SAFETY BY THE NUMBERS	USFAA
PLIERS AND SCREW DRIVERS	USBM	*SMOKEJUMPERS	USDA
RADIATION SAFETY IN NUCLEAR ENERGY EXPLORATIONS	USA	TO SAVE A LIFE	USFAA
RECIPROCATING PUMP OPENING FOR INSPECTION	USNMAC	TRANSPORT CRASH SAFETY TESTS, PT 1	USFAA
*SAFE USE OF PESTICIDES	USN	TRANSPORT CRASH SAFETY TESTS, PT 2	USFAA
*SAFETY CONSCIOUSNESS	USDA	UNKNOWN THIRTY-SIX SECONDS, THE - AIRCRAFT ACCIDENT	USFAA
*SAFETY FOR SURE	USBM	INVESTIGATION	USAF
SAFETY IN HIGHWAY SURVEYING	USDA		
SAFETY ON-THE-JOB AT SEA	USFMWA	<b>AUTOMOBILE</b>	
*SAFETY PRACTICES IN LOW-COAL MINING	USDA	AUTOMOBILE TIRE HYDROPLANING - WHAT HAPPENS	USNASA
SAFETY PRECAUTIONS FOR ELECTRONICS PERSONNEL	USN	CYCLE LOGIC - CYCLE SAFETY	USAF
SEATBELTS, YOUR LIFE INSURANCE	USBM	DRIVING THE SEMI-TRAILER	USA
*SELL SAFETY	USDA	*EXPECT THE UNEXPECTED	USPOST
SHOP SAFETY	USN	*GREATER ADVENTURE, THE	USAF
*SHUTTLE CAR OPERATOR	USBM	HOLIDAY TRAFFIC SAFETY - HOME FOR THE HOLIDAYS	
SLINGING LOAD	USN	HOW TO PREVENT PRIVATE VEHICLE ACCIDENTS	USAF
TIME AND TIDE	USAF	MORAL RESPONSIBILITY OF SAFETY	
TO LIVE IN DARKNESS	USBM	NIGHTMARE FOR THE BOLD	
TRAPPED (RESCUE WORK)	USA	OPERATOR AND HIS JOB, THE	
*WHO IS RIGHT OR WRONG	USN	OPERATOR AND HIS PASSENGERS,	
*WINTER OLYMPICS	USAF	THE	
YOU CAN'T BITE BACK	USBM	OPERATOR AND SAFETY, THE	
*YOU ONLY LIVE ONCE	USDA	PASSENGERS - DRIVING HAZARDS - SAFETY	
*YOUR WORST ENEMY	USPO	SAFE DRIVING IN BAD WEATHER, PT 1, LIGHT VEHICLES	USOE
	USPOST	SAFE DRIVING IN BAD WEATHER, PT 2, TRUCKS AND TRACTOR- TRAILERS	USAF
	USBM	SEATBELTS, YOUR LIFE INSURANCE	USAF
AIRCRAFT ACCIDENT INVESTIGATION	USAF	*TRAFFIC SAFETY ADVANCED DRIVING - THE GREATER ADVENTURE	USAF
AIRCRAFT CRASH FIRE INCIDENT	USN	*YOU ONLY LIVE ONCE YOUR DRIVING HABITS	USPOST
SIMULATION TESTS OF THE LIGHT WATER TWINNED AGENT SYSTEM			USOE
AIRCRAFT FAMILIARIZATION - T2J-1		<b>FIRE</b>	
BUCKEYE, EMERGENCY PROCEDURES		ARCTIC FIRE PROTECTION	USAF
AIRCRAFT FIRE AND RESCUE PROCEDURES	USAF	BLANKET FOR SURVIVAL	USFAA
BAILING OUT	USN	*BUILDING THE FIRE LINE	USDA
BIRD AIRCRAFT STRIKE HAZARDS	USAF	*BUILDING THE FIRE LINE (SPANISH)	
DENSITY ALTITUDE	USFAA	*BURNING ISSUE	USDA
*EAGLE EYED PILOT	USFAA	*CAUSES AND PREVENTION OF MINE FIRES AND EXPLOSIONS	USBM
FLYING IN A PRESSURE CABIN	USN	*COACHING ON THE JOB	USDA
FOREIGN OBJECTS DAMAGE TO ARMY AIRCRAFT	USA	*CREW BOSS	USDA
GROUND SAFETY ON THE FLIGHT LINE, PT 1	USAF	*DAYS OF A TREE	USDA
GROUND SAFETY ON THE FLIGHT LINE, PT 2	USAF	*ELECTRICAL EQUIPMENT - MASTER OR SERVANT	USBM

\* INDICATES NEW ENTRY

**SAFETY**  
**FIRE - (Continued)**

FIELD BURNOUT TESTS OF  
APARTMENT DWELLING UNITS  
\*FIGHTING COAL MINE FIRES  
\*FIRE CONTROL SIMULATOR  
\*FIRE FIGHTING IN THE MINERAL  
INDUSTRY  
FIRE FIGHTING IN THE NUCLEAR  
AGE  
FIRE LOSS MANAGEMENT, PT 2,  
COMPUTER INSTALLATIONS  
\*FIRE PLOW PERFORMANCE AND  
USE  
FIRE PREVENTION - KNOW YOUR  
FIRE HAZARDS  
FIRE PREVENTION - THE NATURE OF  
FIRE  
FIRE PREVENTION AND THE HOME  
\*FIRE VS FIRE  
\*FIRE WEATHER  
FIREFIGHTING ABOARD TANKERS  
\*HELICOPTER MANAGEMENT  
\*HELICOPTER MANAGEMENT  
(SPANISH)  
\*HELICOPTERS IN FIRE CONTROL  
INSPECTION, MAINTENANCE, AND  
OPERATION OF AUTOMATIC  
SPRINKLER SYSTEMS  
\*INTRODUCTION TO FIRE BEHAVIOR  
\*INTRODUCTION TO FIRE BEHAVIOR  
(SPANISH)  
\*LITTLE FLAME, A  
\*LITTLE SMOKEY  
\*MAGIC OF FIRE, THE  
\*MAN AGAINST FIRE  
\*MAN AGAINST FIRE (SPANISH)  
\*MEN, WOMEN AND CHILDREN  
\*MYSTERY AT SMOKY HOLLOW  
\*NINE OUT OT TEN  
OBJECT LESSON IN FIRE  
PREVENTION, AN  
\*ONE MAN FLAIL TRENCHER  
\*ONLY A BUNCH OF TOOLS  
\*PREScribed BURNING IN THE  
SOUTH  
\*SECTOR BOSS  
SHIPYARD FIRE AND EXPLOSION  
HAZARDS  
\*SMOKE IN THE HOLLOW  
\*SMOKEJUMPERS  
\*SMOKEY AND HIS FRIENDS  
\*SMOKEY AND THE LITTLE BOY  
\*SMOKEY THE BEAR  
\*SMOKEY'S STORY  
\*SNUFFY - SMOKEY BEAR'S PAL  
\*THERE COMES A TOMORROW  
\*USE OF FIRE IN SLASH DISPOSAL  
\*VISION IN THE FOREST  
\*VOICE OF THE FOREST  
\*VOLUNTEER FIREMAN, THE  
\*WATER ON THE FIRE  
\*WATERSHED WILDFIRE  
\*WHAT NOW SKIPPER?  
\*WHO IS RIGHT OR WRONG  
\*WOODLAND MANNERS  
\*YOUR WAY OUT

**INDUSTRY**

AIR FORCE OCCUPATIONAL MEDICAL  
PROGRAM  
\*AIR WE BREATHE IN INDUSTRIAL  
ENVIRONMENTS, THE  
\*AUDIO AID ON OSHA  
RECORDKEEPING, AN  
\*BUILDING THE FIRE LINE  
\*BUILDING THE FIRE LINE  
(SPANISH)

		USNBS	*CARE AND USE OF A PERMISSIBLE FLAME SAFETY LAMP, THE	USBM
		USBM	*CAUSES AND PREVENTION OF MINE FIRES AND EXPLOSIONS	USBM
		USDA	CHEMICAL SAFETY IN AERIAL APPLICATION	USFAA
		USBM	CHISELS	USA
		USAEC	*COAL MINER TODAY	USBM
		USAEC	*COLOR FOR SAFETY	USBM
		USAEC	*CONSTRUCTION SAFETY AND HEALTH TRAINING COURSE	SL
		USDA	*CONTACT THAT KILLS	USDL
		USN	*CONVEYOR BELTS - BE CAREFUL	USBM
		USN	*DANGERS ALONG HAULAGEWAYS	USBM
		USN	*FALL GUYS, THE	USBM
		USAF	*FIGHTING COAL MINE FIRES	USBM
		USDA	*FIRE VS FIRE	USDA
		USDA	*FIRE WEATHER	USDA
		USCG	*FIRST THINGS FIRST	USBM
		USDA	*FOREMANSHIP TRAINING - A SERI	USBM
		USDA	*HAND LIVESTOCK SAFELY	USDA
		USDA	*HAUL SAFETY IN LOW-COAL MINE,	USBM
		USAF	*HAZARDS OF CHURN DRILLING	USBM
		USDA	HOSPITAL FOOD SERVICE SAFETY	USNMAC
		USDA	INDUSTRIAL HYGIENE - RIGHT MAKES SAFE	USN
		USDA	*INVESTIGATION - A TOOL FOR ACCIDENT PREVENTION	USBM
		USDA	*LIFTING-A-WEIGHT AWAY	USPOST
		USDA	*MAGIC OF FIRE, THE	USBM
		USDA	*MAKE THE ROOF SAFE	USBM
		USDA	*MAN AND HIS HABITS	USBM
		USDA	*MAN'S SHORTCOMINGS	USBM
		USDA	*MANAGEMENT'S ROLE IN HEALTH AND SAFETY	USBM
		USN	*MECHANIZED TRAIL EQUIPMENT	USDA
		USDA	*MINE RESCUE CONTEST TRAINING	USBM
		USDA	*MOTIVATION - A MEANS TO ACCIDENT PREVENTION	USBM
		USDA	*NARRATIVE CONSTRUCTION SAFETY AND HEALTH TRAINING COURSE	SL
		USDA	*OH! MY ACHING BACK	USDL
		USDA	ONE HUNDRED FIFTEEN - DEADLY SHIPMATE	USBM
		USDL	*ONE MAN FLAIL TRENCHER	USN
		USDA	*OPEN-PIT MINING HAZARDS	USDA
		USDA	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION - INSTRUCTOR'S COURSE	USBM
		USDA	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION - TRAINING COURSE	SL
		USDA	*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION	USEPA
		USDA	*ORIENTATION AND indoctrination of safe workmen	USEPA
		USDA	*PLAN FOR SURVIVAL	USBM
		USDA	*PROTECTION AGAINST RADIOACTIVITY IN URANIUM MINES	USBM
		USDA	RAILROAD SAFETY	USA
		USDA	*ROCK BOLTING IN ORE MINES	USBM
		USDA	*ROOF BOLTING IN COAL MINES	USDA
		USDA	*SAFE SIDE CLYDE	USDA
		USDA	*SAFETY FOR SURE	USDA
		USDA	SAFETY IN HIGHWAY SURVEYING	USFHWA
		USAF	*SAFETY IN STRIP MINING	USBM
		USBM	SAFETY IN THE SHOP	USOE
		USOSHA	SAFETY IN THE SHOP (SPANISH)	USOE
RT		USOSHA	*SAFETY PRACTICES IN LOW-COAL MINING	USBM
		USDA	SAFETY PRECAUTIONS FOR ELECTRONICS PERSONNEL	USN

\* INDICATES NEW ENTRY

## **SAFETY INDUSTRY - (Continued)**

*SELL SAFETY	USBM	*HISTORY OF U S FOREIGN RELATIONS, THE - A SERIES	USDS
*SET THE PACE	USBM	ICELAND	USDOD
SHOP SAFETY	USA	*INDIAN FOR A CHANGE	USDL
*SHUTTLE CAR OPERATOR	USBM	*INDIAN TO INDIAN	USDL
*SUPERVISORY TRAINING - A SERIES	USBM	INTRODUCING BELGIUM	NATO
*TEACH SAFETY	USBM	INTRODUCING CANADA	NATO
*THIS IS OSHA	USDL	INTRODUCING DENMARK	NATO
*WHO IS RIGHT OR WRONG	USBM	INTRODUCING FRANCE	NATO
*WINTER WALKING	USPOST	INTRODUCING GERMANY	NATO
*YOU ONLY LIVE ONCE	USPOST	INTRODUCING GREECE	NATO
*YOUR WORST ENEMY	USBM	INTRODUCING ICELAND	NATO
<b>MOUNTAINEERING</b>		INTRODUCING ITALY	NATO
*SAFETY IN MOUNTAIN SURVEYING	USFHWA	INTRODUCING LUXEMBOURG	NATO
<b>WATER</b>		INTRODUCING NORWAY	NATO
ABANDON SHIP	USN	INTRODUCING PORTUGAL	NATO
BE WATER WISE - BOATING	USAF	INTRODUCING THE NETHERLANDS	NATO
BE WATER WISE - SWIMMING	USAF	INTRODUCING THE UNITED	NATO
BEAVER SELJA INCIDENT, THE	USN	KINGDOM	NATO
*BOARDING PROCEDURES	USCG	INTRODUCING THE UNITED STATES	NATO
BOATING SAFETY, PT B, COURTESY AFLOAT	USCG	INTRODUCING TURKEY	NATO
BOATING SAFETY, PT C, SAFETY EQUIPMENT	USCG	*LA PAZ	USCIAA
CAPSIZING, SINKINGS AND FALLS OVERBOARD	USCG	LAREDO TO PANAMA - THE INTER- AMERICAN HIGHWAY	USFHWA
COAST GUARD AUXILIARY	USCG	LATIN AMERICA	USDOD
COASTAL SEARCH AND RESCUE	USCG	MUSEUM OF SCIENCE AND INDUSTRY, THE	USDS
DROWNPROOFING - SAFETY AND SURVIVAL TECHNIQUES FOR SWIMMERS AND NON-SWIMMERS	USCG	NATIONAL FOLK FESTIVAL, PT 1	USA
FIREFIGHTING - SAFETY ABOARD TANKERS	USOEQ	NATIONAL FOLK FESTIVAL, PT 2	USA
HALIFAX INCIDENT, THE	USCG	NATIONAL FOLK FESTIVAL, PT 3	USA
INVASION BY OIL	USN	NORTHWEST U S A	USOWIO
MEDICAL ASPECTS OF DIVING, PT 1, THE MECHANICAL EFFECTS OF PRESSURE	USN	PANAMA	USDOD
MEDICAL ASPECTS OF DIVING, PT 2, EFFECTS OF Elevated PARTIAL PRESSURE OF GASES	USN	*PROSPECT OF TURKEY	NATO
MERCHANT MARINE SAFETY	USN	*TOTEM POLES	USDA
*S O S COUSE, THE SAFETY ON-THE-JOB AT SEA	USCG	<b>COMMUNITY LIFE</b>	
SWIMMING FOR SURVIVAL	USCG	ANOTHER WAY	USOEQ
TAKE SAFETY WITH YOU	USN	AT THE CROSSROADS	USNMAC
*UNDERSEA EXPL' RER	USAE	AT THE CROSSROADS	USNMAC
*WHAT NOW SKIPPER?	USN	BLUE RIBBON	USDS
	USCG	*CAUSE FOR CONCERN, A	USNMAC
	USN	*CHANGING	USN
	USN	*CITIES IN QUEST OF TOMORROW	USNIMH
	USN	CITY LETTER CARRIER	USHUD
	USN	COMMUNITY ADVISORY COMMITTEE,	USPO
	USN	A	
	USN	*COMMUNITY IN QUEST, THE CUMMINGTON STORY, THE	USDS
	USN	DAY IN AMERICA, A	USNIMH
	USN	*DAY ON AN AMERICAN FARM, A	USOWIO
	USN	DEMAND TO BE HEARD, A	USDOD
	USN	DESIGN FOR DENTAL HEALTH	USDA
	USN	*DRUG DIALOGUE - INVOLVEMENT	USSRS
	USN	ECCO	USSDDH
	USN	FACTORY WORKER TURNS FARMER	USNIMH
	USN	FAIR CHANCE, A	USSRS
	USN	FOUR CHILDREN	USDS
	USN	*GET IT ALL TOGETHER	USIA
	USN	GOODBYE MRS PILGRIM	USIA
	USN	GRAND CENTRAL MARKET	USIA
	USN	IMAGE CHANGERS, THE	USOJD
	USN	IMPRESSIONABLE YEARS, THE	USIA
	USN	INDEPENDENCE DAY, U S A	USIA
	USN	*INDIAN TO INDIAN	USDL
	USN	*IT HAPPENS EVERY NOON	USDA
	USN	*IT HAPPENS EVERY NOON (SPANISH)	USDA
	USN	JENNY IS A GOOD THING	USHS
	USN	JENNY IS A GOOD THING (SPANISH)	USHS
	USN	LEADERS OF TOMORROW	USA
	USN	LITTLE EXTRA WORK, A	USNMAC
	USN	*LITTLE FLAME, A	USDA
	USN	MAKING ENDS MEET	USERS
	USN	MIRROR OF AMERICA	USGSA
	USN	NATIONAL FOLK FESTIVAL, PT 1	USA
	USN	NATIONAL FOLK FESTIVAL, PT 2	USA
<b>SOCIOLOGY</b>			
<b>AGING</b>			
*AFTER AUTUMN	USSRS		
DENTAL CARE FOR THE CHRONICALLY ILL AND AGED	USNMAC		
LATER YEARS OF THE WOODLEYS, THE	USSRS		
MEDICARE	USSRS		
*NEVER TRUST ANYONE UNDER 60	USSSA		
*SEASONS	USSRS		
*STEP ASIDE, STEP DOWN	USSRS		
*THAT THE LAST BE THE BEST YOU AND MEDICARE	USSRS		
	USSSA		
<b>ANTHROPOLOGY</b>			
ALASKAN PATROL	USCG		
BATTLE OF CHINA, THE	USWD		
CELEBRATIONS	USIA		
FEAST, THE	USAEC		
*GOOD NEIGHBOR FAMILY	USCIAA		
GREECE	USDOD		

\* INDICATES NEW ENTRY

## **SOCIOLOGY**

NATIONAL FOLK FESTIVAL, PT 3	USA	*MAKE THE ROOF SAFE	USBM
NOW WE ARE FREE	USIA	*MAN'S SHORTCOMINGS	USBM
OPEN SPACE	USHUD	*MARK WATERS STORY, THE	USNMAC
OPERATION HEAD START	USHS	*MEN, WOMEN AND CHILDREN	USDA
OUR TOWN IS OUR CLASSROOM	USA	MOODS IN SAFETY	USAF
OWL WHO GAVE A HOOT, THE	USOEO	MORAL RESPONSIBILITY OF SAFETY	USA
OWL WHO GAVE A HOOT, THE (SPANISH)	USOE	MOUNTAIN AND DESERT SURVIVAL -	USAF
*PATTERN FOR CHANGE	USBEH	DESERT SURVIVAL	USSRS
*PLACE TO MEET, A - A WAY TO UNDERSTAND	USSRS	*NEW START, A	USAF
*POVERTY IN RURAL AMERICA	USDA	NEW SUPERVISOR TAKES A LOOK AT	USSRS
QUIET SUMMER, THE	USOJD	HIS JOB, A	USAF
*REA STORY, THE REHAB	USDA	NEW WORK FOR GREENVILLE	USOE
RENAISSANCE OF A CITY	USHUD	NIGHTMARE FOR THE BOLD	USSRS
*SAFEST PLACE, THE	USIA	PARAPLEGIC PATIENT EDUCATION -	USAF
*SAFEST PLACE, THE (SPANISH)	USDA	ACTIVITIES IN YOUR NEW LIFE	USNMAC
*SMOKE IN THE HOLLOW	USDA	PARAPLEGIC PATIENT EDUCATION -	USNMAC
STEEL TOWN	USDA	AN ACTIVE FUTURE	USDHEW
SWEDES IN AMERICA	USOWIO	*PERSON TO PERSON IN INFANCY	USNMAC
*TEAMWORK ON THE NEVADA RANGE	USOWIO	PHANTOM PAIN	USNMAC
TENDER POWER, THE	USDA	*PLACE TO MEET, A - A WAY TO	USSRS
*THERE COMES A TOMORROW	USIA	UNDERSTAND	USOE
THERE WAS A NEED	USDA	PLACING THE RIGHT MAN ON THE	USOE
TOWER OF LEARNING	USIA	JOB	USOE
TOWN, THE	USIA	PLACING THE RIGHT MAN ON THE	USOE
*VISION IN THE FOREST	USDA	JOB (SPANISH)	USOE
*WE SHOW THE WAY	USDA	*POTENTIAL UNLIMITED	USDA
WEDNESDAY IN APRIL	USIA	*POVERTY IN RURAL AMERICA	USDA
WHILE I RUN THIS RACE	USOEO	*PSYCHOLOGICAL HAZARDS IN	USDHEW
WITH NO ONE TO HELP US	USOEO	INFANCY	USBM
WOMEN WHO CARE	USIA	*SAFETY CONSCIOUSNESS	USBM
YEAR IN AMERICA, A	USIA	SARAH WILSON	USNMAC
YEAR TOWARD TOMORROW, A	USOE	*SELL SAFETY	USBM
CRIME		*SET THE PACE	USNMAC
DANGEROUS WAR TROPHIES		SHOWDOWN	USDA
THEY'RE OUT TO GET YOU	USA	*SMOKEY AND HIS FRIENDS	USOE
JUMAN RELATIONS	USSBA	STOREFRONT	USOE
*AFTER AUTUMN	USSRS	SUPERVISING WORKERS ON THE	USOE
*AIR FORCE NOW, THE, NO. 11	USAF	JOB	USOE
*AIR FORCE NOW, THE, NO. 15	USAF	SUPERVISING WORKERS ON THE	USOE
*AIR FORCE NOW, THE, NO. 19	USAF	JOB (SPANISH)	USOE
*AIR FORCE NOW, THE, SCRAPBOOK, NO. 9	USAF	SUPERVISOR AS A LEADER, THE, PT	USOE
APOLLO 13 - HOUSTON, WE'VE GOT A PROBLEM	USNASA	1	USOE
*CAUSE FOR CONCERN, A	USN	SUPERVISOR AS A LEADER, THE, PT	USOE
*COMMUNITY IN QUEST, THE	USNIMH	2	USOE
*DAYS OF A TREE	USDA	TAKE THAT FIRST STEP	USNMAC
DENTAL OFFICE EMERGENCIES, PT 1	USVA	THOSE WHO STAY BEHIND	USSRS
DENTAL OFFICE EMERGENCIES, PT 2	USVA	THRESHOLD	USDHEW
DENTAL OFFICE EMERGENCIES, PT 3	USVA	TIME AND TIDE	USAF
DENTAL OFFICE EMERGENCIES, PT 4	USVA	*TO SEEK, TO TEACH, TO HEAL	USNIH
FAMILY OF MAN, THE	USIA	*TOWARD FULL INTEGRATION	USN
FIFTY-FIFTY CHANCE, A	USNMAC	UNDER PRESSURE	USNMAC
GAP, THE	USSRS	*VOICE OF THE FOREST	USDA
IF I WERE YOU	USAF	*VOLUNTEER FIREMAN, THE	USDA
IMAGE CHANGERS, THE	USOJD	WAR AND ADVICE	USAF
IMPROVING THE JOB	USOE	*WONDERS OF WILDERNESS	USDA
IN HONOR OF LIBERTY	USDOD	WORKING FOR BETTER PUBLIC	USNMAC
INNOCENT PARTY, THE (SPANISH)	USNMAC	HEALTH THROUGH RECOGNITION	USA
JOB APPEAL	USNMAC	OF FEELINGS	USOE
LETTER FROM A MOTHER	USA	WORKING THROUGH COLLEGE	USOE
LITTLE EXTRA WORK, A	USNMAC	WORKING WITH OTHER	USOE
MAINTAINING GOOD WORKING CONDITIONS	USOE	SUPERVISORS	USDOD
MAINTAINING GOOD WORKING CONDITIONS (SPANISH)	USOE	WORKING WITH OTHER	USOE
MAINTAINING WORKERS' INTEREST	USOE	SUPERVISORS (SPANISH)	USOE
MAINTAINING WORKERS' INTEREST (SPANISH)	USOE	YOUTH COMMUNICATIONS	USOE
		MARRIAGE AND THE FAMILY	
		*BETTER LIVING THROUGH	
		RESEARCH	
		FAMILY OF MAN, THE	
		FAMILY, THE	
		FOR A BRIGHT HOME LIFE	
		MILITARY DEPENDENTS	
		AIR FORCE FAMILY HOUSING	
		*AIR FORCE NOW, THE, NO. 19	

\* INDICATES NEW ENTRY

SOCIOLOGY

**MINORITY GROUP - (Continued)**

## **MINORITY GROUP**

- \* BROTHER
  - \* CODE BLUE
  - \* KNOCK AT THE DOOR
  - \* LOST AND FOUND

PUBLIC HEALTH ASPECTS OF  
MIGRANT WORKERS, THE

  - \* TOWARD FULL INTEGRATION

PENDOLINE

- # \*UNITED STATES DISCIPLINARY BARRACKS, THE \*OUR MISSION, YOUR FUTURE

## **POPULATION**

- \* FACT FINDER
  - \* FACT FINDER
  - \* GET IT ALL TOGETHER  
NUTRITION SURVEY - REPUBLIC OF  
COLOMBIA
  - NUTRITION SURVEY - REPUBLIC OF  
LEBANON
  - \* REALM OF THE WILD  
TARGET - URBAN MOBILITY  
TO OPEN A DOOR
  - \* WE
  - \* WE
  - \* WHO SHALL REAP
  - \* WHO SHALL REAP (SPANISH)

SOCIAL PROBLEMS

- ACTIVITY FOR SCHIZOPHRENIA
  - AIDE TO A BETTER WAY OF LIFE, AN
  - AIDE TO A BETTER WAY OF LIFE, AN  
(SPANISH)
  - \*AIR FORCE NOW, THE, NO. 15
  - \*AIR FORCE NOW, THE, NO. 19
  - \*ALCOHOL
  - \*ALCOHOL
  - ALLEN CASE, THE
  - ALLEN CASE, THE
  - \*AMERICA ON THE ROCKS
  - \*AMERICA ON THE ROCKS
  - \*ANSWER IS UNDERSTANDING, THE  
BEFORE THE DAY
  - \*BLUE
  - \*BRIAN AT SEVENTEEN
  - \*CHANGING
  - \*COMMUNICATION GAP
  - \*DEVICES FOR SELF-HELP TASK  
PERFORMANCE, PT 3
  - \*DRUG TALK - SOME CURRENT  
PROGRAMS
  - \*DRUGS AND BEYOND
  - ECCO
  - FIVE DAYS OF BETSY, THE  
GAP, THE
  - \*GET IT ALL TOGETHER  
GETTING THROUGH
  - \*GUY
  - HEAD OF THE HOUSE
  - IF I WERE YOU
  - IMAGE CHANGERS, THE
  - IMPROVING THE JOB
  - \*INHERITORS, THE
  - \*JORJON PAUL - ONE TEACHER'S  
APPROACH
  - LET US LIVE (REV ED)
  - LONG HAUL, THE
  - MAKING ENDS MEET
  - MATTER OF PERSPECTIVE, A  
MEDICAL SCHOOL AND THE  
COMMUNITY, THE - HOW ARE  
THEY RELATED

USFAA	* NEVER TRUST ANYONE UNDER 60
USBHME	* NEW START, A NUTRITION SURVEY - REPUBLIC OF COLOMBIA
USFHWA	NUTRITION SURVEY - REPUBLIC OF LEBANON
USDL	OPERATION HEAD START
USNMAC	OWL WHO GAVE A HOOT, THE OWL WHO GAVE A HOOT, THE (SPANISH)
USN	* POVERTY IN RURAL AMERICA QUIET SUMMER, THE SAM'L AND SOCIAL SECURITY SHOWDOWN
USA	* SLOW DEATH SOCIAL CHANGE IN A DEMOCRACY STOREFRONT
USBC	* TEDDY
USBC	* THERE MUST BE A CATCH THOSE WHO STAY BEHIND TO OPEN A DOOR
USSRS	WHILE I RUN THIS RACE YEAR TOWARD TOMORROW, A
USNMAC	
USNMAC	

SOCIAL WORK

- |        |                                      |
|--------|--------------------------------------|
| USNMAC | * AIR FORCE NOW, THE, NO. 11         |
| USBC   | ALLEN CASE, THE                      |
| USBC   | ALLEN CASE, THE                      |
| USDA   | * BAD TRIP, THE                      |
| USDA   | CONCEALED HOMICIDE, THE              |
| USVA   | * COUNSELING - A CRITICAL INCIDENT   |
| USPHS  | FACE OF DISASTER, THE                |
| USPHS  | * LAST CHANCE, THE                   |
| USPHS  | LATER YEARS OF THE WOODLEYS, THE     |
| USAF   | LOOK FURTHER THAN TOMORROW           |
| USAF   | NARCOTIC DEATHS, PT 1                |
| USAF   | NARCOTIC DEATHS, PT 2                |
| USNIMH | * PROFESSIONAL DRUG FILMS - A SERIES |
| USSRS  | * PROFESSIONAL DRUG TAPES - A SERIES |
| USSRS  |                                      |
| USSRS  |                                      |
| USNIAA |                                      |

## URBANIZATION

- USSSA  
USNIMH  
USNIMH  
USNIMH  
USNIMH  
USBEH  
USNIMH  
USNIMH  
USSRS  
USOCD  
USSRS  
USSRS  
USNMAC  
USNIMH  
USIA  
USAF  
USOJD  
USOE  
USIA  
USNIMH  
USIA  
USS' 1  
USSRS  
USNMAC  
USNMAC

AIR POLLUTION IN THE NEW YORK-  
NEW JERSEY INTERSTATE AREA  
AIRPORTS IN PERSPECTIVE  
AMERICAN ISLAND, THE  
\*CAN WE HAVE A LITTLE QUIET  
PLEASE?  
CAPITAL STORY  
\*CARDBOARD COW  
\*CITIES IN QUEST OF TOMORROW  
CITY, THE - TIME OF DECISION  
DAY IN THE DEATH OF DONNY B, A  
DEMAND TO BE HEARD, A  
DON'T LEAVE IT ALL TO THE  
EXPERTS  
\*ERTS - EARTH RESOURCES  
TECHNOLOGY SATELLITE  
HEALTHIER PLACE TO LIVE, A  
HEALTHIER PLACE TO LIVE, A  
(BLACK CAST)  
HEALTHIER PLACE TO LIVE, A  
(SPANISH-AMERICAN CAST -  
SPANISH)  
\*ISLANDS OF GREEN  
IT'S YOUR MOVE  
ONE DIMENSION, TWO DIMENSION,  
THREE DIMENSION..FOUR  
OPEN SPACE  
\*OPERATION BREAKTHROUGH  
OPERATION HEAD START

**USSRS  
USSRC  
USNMAC  
USNMAC  
USHS  
USOEQ  
USOEQ  
USDA  
USOJD  
USSSA  
SNMAC  
USNIMH  
USA  
USOEQ  
USNIMH  
USDL  
USSRS  
SNMAC  
USOEQ  
USOFO**

**USAF  
USSRS  
USSRS  
USNIMH  
USNMAC**  
**USNIMH  
USOCD  
USSRS**  
**USSRS  
USCJD  
USNMAC  
USNMAC**  
**USNIMH**  
**USNIMH**

**USNMAC**  
**USFAA**  
**USBOR**  
  
**USFAA**  
**USOWIO**  
**USDA**  
**USHUD**  
**USIA**  
**USNIMH**  
**USSRS**  
  
**USNMAC**  
  
**USNASA**  
**USNMAC**  
  
**USNMAC**  
  
**USNMAC**  
**USDA**  
**USSBA**  
  
**USHUD**  
**USHUD**  
**USDHUD**  
**USHS**

\* INDICATES NEW ENTRY

\* INDICATES NEW ENTRY

## **SPACE PROGRAMS**

## **HISTORY – (Continued)**

FOUR DAYS OF GEMINI 4, THE	USNASA	RANGER 09 - TELEVISION PICTURES	
FREEDOM 7	USNASA	OF THE MOON	
FRIENDSHIP 7	USNASA	TESTING APOLLO	
JOHN GLENN STORY, THE	USNASA	VIEW OF THE SKY, A	
*MAN IN SPACE - THE SECOND			
DECADE			
*MAN'S REACH SHOULD EXCEED	USNASA	<b>MEDICINE AND BIOLOGY</b>	
HIS GRASP, A	USNASA	AEROSPACE MEDICAL DIVISION, THE	
MASTERY OF SPACE, THE	USIA	- AIR FORCE SYSTEMS COMMAND,	
*MEETING IN SPACE	USA	THE UNIVERSE WITHIN	
MILESTONES IN MISSILERY	USNASA	BIOSATELLITE PROGRAM, THE -	
MISSION FOR MARINER, A	USNASA	BETWEEN THE ATOM AND THE	
*MOON OLD AND NEW, THE	USNASA	STAR	
PROJECT ECHO	USNASA	LIVING IN SPACE	
*PROJECT GEMINI HIGHLIGHTS	RT	LIVING IN SPACE, PT 1, THE CASE	
*PROJECT MERCURY HIGHLIGHTS	RT	OF REGENERATION	
*REACH FOR THE MOON AND	FS	LIVING IN SPACE, PT 2,	
TOUCH A STAR	USNASA	REGENERATIVE PROCESSES	
RESEARCH IN THE ATMOSPHERE	USNASA	RETURNS FROM SPACE	
SUITED FOR SPACE	USNASA	SPACE MEDICINE	
WITHIN THIS DECADE - AMERICA IN	USNASA	SPACE SUIT	
SPACE			
<b>LAUNCH VEHICLE</b>		<b>NAVIGATION</b>	
*AEROELASTIC PHENOMENA AND		DESTINATION - WHERE?	
RELATED RESEARCH		GUIDANCE AND NAVIGATION	
AEROSPACE POWER	USNASA	INSTRUMENT UNIT, THE	
ASSEMBLING APOLLO	USAF	NEW LOOK AT AN OLD PLANET, A	
BALLISTIC MISSILE TRAJECTORIES	USNASA	OUR NEAREST STAR	
FIRST SHORT STEP, THE	USAF	RETURNING FROM THE MOON	
GUIDANCE AND NAVIGATION	USNASA	SPACE DOWN TO EARTH	
LAUNCH CONTROL CENTER	USNASA	SPACE NAVIGATION	
LAUNCH OF THE SATURN 5	USNASA	SPACE NAVIGATION	
LAUNCH SITE TO THE MOON	USNASA		
LUNAR MODULE, THE	USNASA		
NUCLEAR PROPULSION IN SPACE	USNASA		
NUCLEAR REACTOR FOR SPACE	USNASA		
NUCLEAR REACTOR SPACE POWER	USAEC		
SYSTEMS			
POWERING APOLLO	USAEC	<b>PROPELLION</b>	
*PROJECT GEMINI HIGHLIGHTS	RT	ELECTRIC POWER GENERATION IN	
*SKYLAB	USNASA	SPACE	
SNAP-3 OPERATIONAL TESTS	USNASA	ELECTRIC PROPULSION	
*SPACE-AGE SOUND EFFECTS	USAEC	LAUNCH OF THE SATURN 5	
	RT	MINUS THREE MILES	
		NUCLEAR PROPULSION IN SPACE	
		POWERING APOLLO	
		PROJECT ROVER	
		RESEARCH IN THE ATMOSPHERE	
		SATURN FIRST STAGE	
		SATURN SECOND STAGE	
		SATURN THIRD STAGE	
		SERVICE MODULE, THE	
		SKYWARD THE GREAT SHIPS	
		TOWARD THE UNEXPLORED	
<b>LUNAR PROBE</b>			
*APOLLO - MANNED FLIGHT TO		<b>SAFETY</b>	
THE MOON		*DON'T BUILD THAT ROCKET ALONE	
APOLLO 09 - THE SPACE DUET OF	USNASA	*IT CAN'T HAPPEN TO ME - THE	
SPIDER AND GUMDROP	USNASA	ANATOMY OF AN ACCIDENT	
APOLLO 10 - GREEN LIGHT FOR A	USNASA	MISSILE EXPLOSIVE DEVICE SAFETY	
LUNAR LANDING	USNASA		
APOLLO 12 - PINPOINT FOR	USNASA		
SCIENCE	USNASA		
APOLLO 13 - HOUSTON, WE'VE GOT	USNASA		
A PROBLEM	USNASA		
*APOLLO 15 - IN THE MOUNTAINS	USNASA		
OF THE MOON	USNASA		
*APOLLO 16 - NOTHING SO HIDDEN	USNASA		
*APOLLO 17 - ON THE SHOULDERS	USNASA		
OF GIANTS	USNASA		
*APOLLO 17 MISSION HIGHLIGHTS	RT	<b>SATELLITE</b>	
ASSIGNMENT - SHOOT THE MOON	USNASA	AMERICA IN SPACE - THE FIRST	
*CLOSE-UP OF THE MOON - A	USNASA	DECade	
LOOK AT LUNAR ORBITER	USNASA	ARIEL - THE FIRST INTERNATIONAL	
EAGLE HAS LANDED - THE FLIGHT	USNASA	SATELLITE	
OF APOLLO 11	USNASA	*ARIEL 2	
*EXAMINING THE MOON	USNASA	CAPE KENNEDY 1964	
FLIGHT OF APOLLO 07, THE	USNASA	CAPE KENNEDY 1965	
FLIGHT OF EAGLE AND COLUMBIA	USNASA	*ERTS - EARTH RESOURCES	
LANDING ON THE MOON	USNASA	TECHNOLOGY SATELLITE	
LUNAR MODULE, THE	USNASA	GREAT IS THE HOUSE OF THE SUN	
*MAN IN SPACE - THE SECOND	USNASA	INTERNATIONAL CO-OPERATION IN	
DECADE	USNASA	SPACE	
*MOON OLD AND NEW, THE	USNASA	LIVING IN SPACE, PT 3, A	
		TECHNOLOGY FOR SPACECRAFT	
		DESIGN	
		LOG OF MARINER IV	
		*MARINER/MARS, 1969	
		MARTIAN INVESTIGATORS, THE	

\* INDICATES NEW ENTRY

**SPACE PROGRAMS  
SATELLITE - (Continued)**

*METEOROLOGY FROM SPACE	FS	USNASA	TRAINING	
MILITARY SATELLITE COMMUNICATIONS		USAF	APOLLO MISSION HIGHLIGHTS	USNASA
NEW LOOK AT AN OLD PLANET, A NUCLEAR POWER FOR SPACE - SNAP-9A		USNASA	APOLLO MISSION HIGHLIGHTS	USNASA
NUCLEAR REACTOR FOR SPACE		USAEC	ASTRONAUT TRAINING	USNASA
ORBITING SOLAR OBSERVATORY		USAEC	*FLIGHT OF FAITH 07, THE	USNASA
OUR NEAREST STAR		USNASA	FREEDOM 7	USNASA
POWER FOR THE MOONSHIP		USAEC	REHEARSAL FOR THE MOON	USNASA
RETURNING FROM THE MOON		USNASA	TESTING APOLLO	USNASA
ROOM AT THE TOP		USNASA		
SATELLITE ASTRONOMY - PROGRESS AND PROMISE		USNASA		
SPACE DOWN TO EARTH		USNASA		
SPACE ORBITS		USAF		
*SPACE-AGE SOUND EFFECTS	RT	USNASA	<b>SURGERY</b>	
*TIROS EXPERIMENTAL WEATHER SATELLITE		USNASA		
<b>SPACE EXPLORATION</b>			<b>ANATOMY</b>	
AMERICA IN SPACE - THE FIRST DECADE		USNASA	ABDOMINAL AORTIC ANEURYSM REPLACEMENT WITH NYLON	
*APOLLO - MANNED FLIGHT TO THE MOON		USNASA	GRAFT	USVA
*APOLLO 07 MISSION HIGHLIGHTS	RT	USNASA	CLOSURE OF ANTRAL-ORAL FISTULA	USA
*APOLLO 08 MISSION HIGHLIGHTS	RT	USNASA	COMBINED RESECTION OF TONGUE AND FLOOR OF MOUTH WITH RADICAL NECK DISSECTION	
APOLLO 09 - THE SPACE DUET OF SPIDER AND GUMDROP		USNASA	COMPARISON OF GROSS SURFACE APPEARANCE OF INTESTINAL BIOPSIES AND THEIR SERIAL SECTIONS	
*APOLLO 09 MISSION HIGHLIGHTS	RT	USNASA	CRICOHYOIDOTOMY	USNMAC
APOLLO 10 - GREEN LIGHT FOR A LUNAR LANDING		USNASA	DISSECTION OF THE BLOCK OF ORGANS - DISSECTION OF ADRENALS, AORTA, AND ...	USN
*APOLLO 10 MISSION HIGHLIGHTS	RT	USNASA	DISSECTION OF THE HEART	USNMAC
*APOLLO 11 MISSION HIGHLIGHTS	RT	USNASA	DISSECTION OF THE MALE PELVIC ORGANS AND KIDNEYS	USNMAC
APOLLO 12 - PINPOINT FOR SCIENCE		USNASA	DISSECTION OF THE PARATHYROID AND THYROID GLANDS	USNMAC
*APOLLO 12 MISSION HIGHLIGHTS	RT	USNASA	DISSECTION OF THE THORACIC DUCT	USNMAC
*APOLLO 13 MISSION HIGHLIGHTS	RT	USNASA	FIBERSCOPE ENDOSCOPY OF THE UPPER DIGESTIVE TRACT	USNMAC
*APOLLO 14 MISSION HIGHLIGHTS	RT	USNASA	FILM SYMPOSIUM OF STRESS URINARY INCONTINENCE, A	USNMAC
*APOLLO 15 MISSION HIGHLIGHTS BEFORE SATURN	RT	USNASA	*INCISION AND IRRIGATION OF TRAUMATIC CATARACT	USA
CHALLENGE OF UNANSWERED QUESTIONS, THE		USNASA	INTESTINAL BIOPSY CAPSULE, THE MEDICAL AND SURGICAL	USA
*CLOSE-UP OF THE MOON - A LOOK AT LUNAR ORBITER		USNASA	TREATMENT OF VALVULAR HEART DISEASE, THE	USNMAC
CLOUDS OF VENUS, THE COMMAND MODULE, THE DEBRIEF - APOLLO 08		USNASA	NEUROSURGERY - FACIAL NEURALGIA	USN
EAGLE HAS LANDED - THE FLIGHT OF APOLLO 11		USNASA	PENETRATING WOUNDS OF THE ABDOMEN	USN
FIRST SOFT STEP, THE		USNASA	PREPARATION OF PRIMARY MAMMALIAN KIDNEY CELL CULTURE	USNMAC
*IN SIGHT OF THE GIANT STEPS	FS	USNASA	PRINCIPLES OF FRACTURE REDUCTION	USVA
LEGACY OF GEMINI		USNASA	PROSTHETIC ABOVE-KNEE SOCKETS, PT 3	USNMAC
LUNAR MODULE, THE		USNASA	PROSTHETIC BELOW-KNEE SOCKETS, PT 4	USNMAC
MARTIAN INVESTIGATORS, THE		USNASA	PROSTHETIC FOOT COMPONENTS, PT 1	USNMAC
MASTERY OF SPACE, THE		USNASA	PROSTHETIC KNEE COMPONENTS, PT 2	USNMAC
MEN ENCOUNTER MARS		USNASA	RENAL VASCULAR HYPERTENSION - -AN APPROACH TO DIAGNOSIS AND TREATMENT	USNMAC
MISSION FOR MARINER, A		USNASA	RIGID MEDULLARY FIXATION OF FOREARM FRACTURES	USA
*NEW VIEW OF SPACE, A POWER FOR THE MOONSHIP		USNASA	SCIATIC PAIN AND THE INTERVERTEBRAL DISK	USN
*PROJECT GEMINI HIGHLIGHTS	RT	USNASA	SKELETAL FIXATION BY THE STADER SPLINT, FRACTURES OF THE TIBIA	USN
*PROJECT MERCURY HIGHLIGHTS	RT	USNASA	SURGICAL APPROACHES TO THE ANKLE JOINT	USVA
RADIO ASTRONOMY EXPLORER		USNASA	SURGICAL APPROACHES TO THE BONES OF THE FOOT	USVA
*REDUCED-GRAVITY SIMULATOR FOR STUDY OF MAN'S SELF LOCOMOTION		USNASA		
RESEARCH IN THE ATMOSPHERE		USNASA		
SEAS OF INFINITY		USNASA		
SEEDS OF DISCOVERY		USNASA		
*SKYLAB		USNASA		
*SPACE IN THE 70'S - EXPLORATION OF THE PLANETS		USNASA		
TESTING APOLLO		USNASA		
TRIAL BALANCE		USNASA		

\* INDICATES NEW ENTRY

# SURGERY

## ANATOMY - (Continued)

SURGICAL APPROACHES TO THE BONES OF THE WRIST  
 SURGICAL APPROACHES TO THE ELBOW JOINT  
 SURGICAL APPROACHES TO THE HIP JOINT  
 SURGICAL APPROACHES TO THE KNEE JOINT  
 SURGICAL APPROACHES TO THE SCAPULOHUMERAL JOINT  
 SURGICAL APPROACHES TO THE SPINE AND SACROILIAC  
 SURGICAL APPROACHES TO THE STERNOCLAVICULAR AND ACROMIOCLAVICULAR JOINTS  
 \*VERMILONECTOMY

## EQUIPMENT

\*FORCEPS DELIVERIES - A SERIES  
 \*FORCEPS DELIVERIES, PT 1, PREREQUISITES FOR FORCEPS DELIVERIES  
 \*FORCEPS DELIVERIES, PT 3, TRACTION  
 \*FORCEPS DELIVERIES, PT 4, TRANSVERSE ARREST  
 \*FORCEPS DELIVERIES, PT 5, KEILLAND FORCEPS  
 \*FORCEPS DELIVERIES, PT 6, FORCEPS MANAGEMENT OF FACE PRESENTATIONS  
 \*FORCEPS DELIVERIES, PT 7, BARTON FORCEPS  
 \*FORCEPS DELIVERIES, PT 8, PIPER FORCEPS FOR AFTER-COMING HEAD  
 SIMPLE METHOD FOR TRACHEAL SUCTION AND BRONCHOSCOPY  
 SKELETAL FIXATION BY THE STADER SPLINT, FRACTURES OF THE TIBIA  
 SUCTION BIOPSY OF THE GASTROINTESTINAL MUCOSA

## ORTHOPEDICS

DIAGNOSIS AND MANAGEMENT OF RHEUMATOID ARTHRITIS

USVA	THERAPEUTIC EXERCISE-ORTHOPEDICS	USA
USVA	<b>POSTOPERATIVE CARE</b>	
USVA	IMMEDIATE POST-SURGICAL PROSTHETICS	USVA
USVA	POSTOPERATIVE CARE	USN
USVA	PREOPERATIVE EVALUATION OF LUNG FUNCTION	USNMAC
USVA	STEPS TO RECOVERY - REHABILITATION OF THE PATIENT WITH PULMONARY TUBERCULOSIS	USA
USVA	SYMPTOMATIC POSTGASTRECTOMY PATIENT, THE	USNMAC
USVA	<b>PREOPERATIVE CARE</b>	
USA	PREOPERATIVE CARE	USN
USA	PREOPERATIVE EVALUATION OF LUNG FUNCTION	USNMAC
USA	STEPS TO RECOVERY - REHABILITATION OF THE PATIENT WITH PULMONARY TUBERCULOSIS	USA
USA	<b>TRANSPLANT</b>	
USA	REJECTION OF RENAL TRANSPLANT	USNMAC
USA	<b>WOUNDS AND INJURIES</b>	
USA	BATTERED CHILD, THE, PT 1	USNMAC
USA	BATTERED CHILD, THE, PT 2	USNMAC
USA	CRICOHYOIDOTOMY	USN
USA	DEBRIDEMENT, PT 1, MULTIPLE SOFT TISSUE WOUNDS	USA
USA	DEBRIDEMENT, PT 2, WOUNDS OF THE EXTREMITIES	USA
USA	EARLY MANAGEMENT OF COMPLEX PROBLEMS IN TRAUMA	USNMAC
USA	IMMEDIATE CUSTOM IMPLANT FOR THE MANDIBLE	USVA
USN	IMMEDIATE POST-SURGICAL PROSTHETICS	USVA
USNMAC	LUMBAR PUNCTURE	USN
USNMAC	OPEN FRACTURES	USN
USNMAC	PENETRATING WOUNDS OF THE ABDOMEN	USVA
USNMAC	REMOVAL OF BITING TICKS, THE	USNMAC
USNMAC	SUCKING WOUNDS OF THE CHEST	USN

\* INDICATES NEW ENTRY

# VII. Title Section

## A + SCHOOL, THE

8 min, 16mm film, optical sd, col 1966  
 Producer USOCD Agency No. DODCD05-242  
 Title No. 111450 Sale \$29.25  
 Features the South Salem Elementary School in Salem, Va. The school is unusual for its circular design as well as the added feature of fallout protection. In animated form it explains how and why it was done.

## AASHTO ROAD TEST - CONSTRUCTION AND MATERIALS

27 min, 16mm film, optical sd, col 1962  
 Producer USFHWA  
 Title No. 111503 Sale \$107.75  
 Illustrates the methods and follows the construction of the \$27 million AASHTO road test. Records the control features that were built into each tangent of rigid and flexible pavement and explains the objectives of the research program.

## AASHTO ROAD TEST - PAVEMENT RESEARCH

51 min, 16mm film, optical sd, col 1962  
 Producer USFHWA  
 Title No. 111504 Sale \$128.75  
 Covers the objectives, methods, and principal results of the AASHTO road test, showing how the pavement loops were tested under specific loads at known speeds, how the roads stood up to the tests, and the methods used to measure serviceability.

## AASHTO ROAD TEST - THE ROAD TO BETTER ROADS

14 min, 16mm film, optical sd, col 1963  
 Producer USFHWA  
 Title No. 111506 Sale \$50.50  
 Explains, in lay terms, the kind of research done in highway construction, showing the variety of programs involved. Features the construction and operation of the AASHTO road test, and the accumulation and processing of data.

## ABANDON SHIP

32 min, 16mm film, optical sd, b&w 1943  
 Producer USN Agency No. MN01145  
 Title No. 111505 Sale \$65.00  
 Explains how to abandon a ship, escape through oil and gas, use emergency flotation tactics, rescue others, and defend self against predatory marine life.

## ABC OF G, THE

19 min, 16mm film, optical sd, col 1946  
 Producer USN Agency No. MN03446  
 Title No. 111550 Sale \$93.75  
 Explains the effect produced by accelerative force (measured in g's) upon the blood in the body--shows testing equipment used to determine how soon a subject grays out, blacks out, or reds out--and stresses keeping the body in good condition.

\* INDICATES NEW ENTRY

## ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE DECONTAMINATION - INTERIORS

6 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984F  
 Title No. 112226 Sale \$14.00  
 Illustrates the special procedure for decontaminating interiors in biological warfare, including marking suspected buildings, preparation of interiors, and use of decontaminant fog of formaldehyde solution diluted with methanol.

## ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE DECONTAMINATION - PERSONAL EQUIPMENT

8 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984H  
 Title No. 112228 Sale \$17.25  
 Describes the decontamination of clothing and personal gear on a large scale with ethylene oxide and carbon dioxide, small scale use of chlorine bleaching solution and decontamination of gas masks and canisters.

## ABC WARFARE DEFENSE ASHORE - BIOLOGICAL WARFARE DECONTAMINATION - PERSONNEL

10 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984E  
 Title No. 006444 O/PRINT  
 Shows the use of masks and the decontamination facilities of permanent and portable shelters and of outdoor temporary cleaning stations. Details the timetable shower required.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

## ABC WARFARE DEFENSE ASHORE - BIOLOGICAL AND CHEMICAL DECONTAMINATION - EXTERIORS

14 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984G  
 Title No. 112225 Sale \$31.50  
 Reviews the procedures for treating both gas-contaminated and germ-contaminated outdoor areas, including marked areas, filling decontamination truck and mixing chemicals, treatment of surfaces, hand spraying with DANC, emergency use of bleach, and checking decontamination results.

## ABC WARFARE DEFENSE ASHORE - CHEMICAL WARFARE DECONTAMINATION - PERSONNEL

13 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984I  
 Title No. 112227 Sale \$28.75  
 Illustrates permanent, portable, and outdoor personal decontamination facilities and the timetable shower required.

## ABC WARFARE DEFENSE ASHORE - DETECTION OF CONTAMINATED AREAS IN BIOLOGICAL AND ...

14 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07984C  
 Title No. 112230 Sale \$30.50  
 FULL TITLE - ABC WARFARE DEFENSE ASHORE - DETECTION OF CONTAMINATED AREAS IN BIOLOGICAL AND CHEMICAL WARFARE. Shows procedure for detection of areas contaminated by chemical warfare agents, particularly blister gases, and the use of a biological warfare field sampling kit for detection of germs.

<b>ABC WARFARE DEFENSE ASHORE - PROTECTIVE CLOTHING FOR DECONTAMINATION PERSONNEL</b>	Explains Lenz's law and requirements for induction. (Kinescope)
12 min, 16mm film, optical sd, b&w Producer USN Title No. 006445	1954 Agency No. MN07984D Sale \$26.75
Illustrates in detail the procedure for dressing in the special protective clothing required for personnel assigned to detection, decontamination, and cleanup work in the event of atomic, biological, and chemical warfare attacks.	
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.	
<b>ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, LIFTING DEVICES, SHORING</b>	
17 min, 16mm film, optical sd, b&w Producer USN Title No. 112233	1966 Agency No. MN07984K Sale \$37.50
Demonstrates the construction and application of various kinds of shores and shows proper rescue operations.	
<b>ABC WARFARE DEFENSE ASHORE - RESCUE OPERATIONS, RIGGING, BREACHING WALLS, TUNNELING</b>	
18 min, 16mm film, optical sd, b&w Producer USN Title No. 112234	1955 Agency No. MN07984L Sale \$39.50
Shows the construction and use of various types of rigging, and demonstrates how to breach walls and construct a tunnel in typical rescue operations.	
<b>ABC'S OF BRIEFING, THE</b>	
17 min, 16mm film, optical sd, col Producer USAF Title No. 112240	1958 Agency No. TF01-5254 Sale \$74.00
Demonstrates methods of preparing and presenting effective briefings. Emphasizes the importance of accuracy, brevity and clarity as the ABC's of good briefing.	
<b>ABDOMINAL AORTIC ANEURYSM REPLACEMENT WITH NYLON GRAFT</b>	
12 min, 16mm film, optical sd, col Producer USVA Title No. 112231	1957 Sale \$50.50
Demonstrates a technique for the resection of an aortic abdominal aneurysm with replacement by a chemically treated, bifurcated prosthesis. Emphasis is placed on the suturing technique, which is illustrated by diagrams.	
<b>ABERDEEN PROVING GROUND</b>	
17 min, 16mm film, optical sd, b&w Producer USA Title No. 112243	1951 Agency No. FB09-0238 Sale \$36.50
Shows how efficient weapons are developed for U S Military needs. Describes functions and operations of the ballistics research lab, development and proof services, the Ordnance Board, and Aberdeen Ordnance Depot.	
<b>ABOVE THE EARTH AND TO THE MOON</b>	
25 min, 16mm film, optical sd, b&w Producer USIA Title No. 000901	1965 Agency No. 01-02660 Sale: W/DRAWN
Covers the highlights of Grissom and Young's orbital flight and Ranger IX Moon shot.	
<b>*ABUSE OF STIMULANTS, DEPRESSANTS AND ANESTHETICS</b>	
28 min, audiotape cassette, 2-track, monaural Producer USNIMH Title No. 001970	1972 Sale: W/DRAWN
Available only as part of a series. Provides a useful guideline to the recognition and identification of problems relating to drug abuse. Describes how the use of stimulants, depressants and anesthetics evolved over the years.	
From the PROFESSIONAL DRUG TAPES series.	
<b>AC GENERATORS</b>	
27 min, 16mm film, optical sd, b&w Producer USAF Title No. 112704	Agency No. TVK 30-201 Sale \$56.50
Explains operation of AC generators, compares output with a rotating radius vector, and explains function of each part.	
<b>ACCEL - AUTOMATED CIRCUIT CARD ETCHING LAYOUT</b>	
20 min, 16mm film, optical sd, col Producer USAEC Title No. 000245	1965 Sale: W/DRAWN
ACCEL is a computer program which designs printed circuit boards and produces the drawings for their construction with the input encoded from an engineer's schematic diagram by a clerk without knowledge of electronics. Replaced by ACCEL Revised.	
<b>ACNE VULGARIS - ITS PATHOGENESIS</b>	
15 min, 16mm film, optical sd, col Producer USNMAC Title No. 113850	1967 Agency No. M-1519 Sale \$54.25
A detailed presentation of the many causes that act in concert to bring on acne. It attempts to explain the pathogenesis of an individual acne lesion.	
<b>*ACOUSTICS OF THE CLASSROOM</b>	
19 min, 16mm film, optical sd, col Producer USBEH Title No. 000318	1967 Sale \$80.00
This film instructs in the technical acoustical design of the classroom. The purpose is to create a room whereby the teacher's voice is significantly above the threshold of the students and the secondary noise level is sufficiently low so as to allow for effective communication.	
<b>ACRODERMATITIS CHRONICA ATROPHICANS (MERKHIMER)</b>	
18 min, 16mm film, optical sd, col Producer IDCE Title No. 000902	1965 Sale: W/DRAWN
<b>ACROMEGALY (DIAGNOSIS-ETIOLOGY-THERAPY)</b>	
23 min, 16mm film, optical sd, col Producer USAEC Title No. OC1558	1965 Sale \$119.25
Describes the successful application of heavy particle radiation, obtained from high energy cyclotrons for treatment of the comparatively rare disease, acromegaly. Work at Donner Laboratory in Berkeley with the 184-inch synchrocyclotron for treatment of acromegalic patients is described. Detailed procedures for preparing the patient and irradiating the pituitary gland are shown. Symptoms, diagnosis, etiology, and medical history and medical treatments also are discussed.	
<b>ACROSS-THE-LINE STARTERS</b>	
15 min, 16mm film, optical sd, b&w Producer USOE Title No. 114050	1945 Agency No. OE 389 Sale \$30.50
Shows theory and operation of manually operated thermal overload switch, a magnetically operated across-the-line starter, a drum reversing switch for a three-phase motor, and a magnetic reversing switch.	
From the ELECTRICAL WORK series. Motor Control, No. 2	
<b>ACTIVITY FOR SCHIZOPHRENIA</b>	
25 min, 16mm film, optical sd, b&w Producer USVA Title No. 114495	1950 Sale \$52.50
Explains how modern (1950) concepts of activity are applied to distinctive needs of schizophrenic patients. Shows particularly how corrective therapists under the guidance of psychiatrists motivate patients from lower levels of activity to more socialized areas by establishing strong interpersonal relationships through the sensory appeal of intensified physical activities.	
<b>ACUTE OR CHRONIC RESPIRATORY FAILURE</b>	
90 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 114550	1968 Agency No. T-1877-X Sale \$187.00
Demonstrates the use of xenon to show distribution of ventilation and pulmonary blood flow. Discusses the inter-relationship of cardiac-respiratory failure and shows respiratory function tests and methods of evaluation best suited for care of patients with acute respiratory failure. (Kinescope)	

\* INDICATES NEW ENTRY

**ADC FIGHTER DISPERAL PROGRAM, THE**

12 min, 16mm film, optical sd, col 1962  
Producer USAF Agency No. FR 295  
Title No. 001971 Sale \$42.00  
Presents overview of ADC's two-fold air defense and dispersal program designed to protect fighter aircraft from ICBM attack while enabling them to mount defensive air attack against airborne enemy invasion.

**\*ADDED SENSE, AN - THE DETECTION OF NUCLEAR RADIATION**

25 min, 16mm film, optical sd, col 1973  
Producer USAEC Agency No. MN08344  
Title No. 003512 Sale \$101.75  
Presents significant concepts associated with radiation detector technology, such as - the various forms of nuclear radiation, gas ionization chambers and their design, proportional and scintillation counters, and several unique methods including thermoluminescence.

**ADDING OR REMOVING REFRIGERANT**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 441  
Title No. 115050 Sale \$36.50  
Demonstrates how to check a domestic refrigeration system for lack of refrigerant, how to add refrigerant by weight and in unmeasured amounts and how to remove refrigerant from the refrigeration system.  
From the *REFRIGERATION SERVICE* series. Domestic Units, No. 4

**ADJUSTING AND CHECKING THE EXPANSION VALVE**

21 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 444  
Title No. 115850 Sale \$43.25  
Describes the design and operation of the bellows type and the diaphragm type automatic expansion valves. Explains how to adjust, check and service the bellows type valve.  
From the *REFRIGERATION SERVICE* series. Domestic Units, No. 7

**ADJUSTING AND REPAIRING THE THERMO EXPANSION VALVE**

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 448  
Title No. 115900 Sale \$26.75  
Explains the theory of multiple refrigeration systems. Tells how to test and adjust the thermo expansion valve, how to recognize symptoms of trouble in the valve and how to service the valve.  
From the *REFRIGERATION SERVICE* series. Commercial Systems, No. 1

**ADJUSTING COMMERCIAL THERMOSTATIC CONTROLS**

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 450  
Title No. 116050 Sale \$26.00  
Demonstrates how to adjust the thermostatic motor control, the thermo two-temperature valve and the thermo water valve.  
From the *REFRIGERATION SERVICE* series. Commercial Systems, No. 3

**ADJUSTING PRESSURE ACTUATED TEMPERATURE CONTROL DEVICES**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 449  
Title No. 116100 Sale \$32.50  
Describes the purpose of pressure actuated temperature control devices. Explains how to adjust the pressure actuated motor control and how to adjust the metering type and snap-action two-temperature valves.  
From the *REFRIGERATION SERVICE* series. Commercial Systems, No. 2

**ADJUSTMENTS AFTER CHECK FLIGHT**

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 261  
Title No. 116125 Sale \$39.50  
Explains the causes of nose-heaviness, tail-heaviness, yawing, torque tendency, rough propeller and ground looping. Shows how to determine the particular causes of these troubles and make necessary adjustments.  
From the *AIRCRAFT WORK* series. Aircraft Maintenance

**ADMIRAL BURKE TAKES COMMAND**

12 min, 16mm film, optical sd, b&w 1955  
Producer USN Agency No. MN08344  
Title No. 116295 Sale \$26.75  
Presents portions of the change of command speeches at Annapolis, in August 1955, by the Secretary of the Navy, Admiral Carney, and Admiral Burke, as Admiral Burke is sworn in as new Chief of Naval Operations.

**ADMIRALTY ISLANDS, THE**

16 min, 16mm film, optical sd, b&w 1949  
Producer USA Agency No. CHRA-008  
Title No. 116410 Sale \$34.25  
Provides a historical report of the capture of the Admiralty Island north of New Guinea by the American 1st Cavalry Division during World War II.

**ADULT AS ENABLER, THE**

17 min, 16mm film, optical sd, b&w  
Producer USOE  
Title No. 116750 Sale: W/DRAWN  
Demonstrates some good and poor techniques of adult intervention in child centered activity.  
From the *TEAMS FOR LEARNING* series.

**ADULT EDUCATION**

22 min, 16mm film, optical sd, b&w 1951  
Producer USIA  
Title No. 116753 Rental: W/DRAWN Sale: W/DRAWN  
Shows how evening adult education classes offer personal satisfaction and opportunity for professional or economic advancement.

**ADVANCE BASE WATERFRONT CONSTRUCTION - TIMBER PIERS**

18 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07488A  
Title No. 116765 Sale \$39.50  
Demonstrates the construction of a timber pier including the planning, methods, tools, and equipment which are required.

**ADVANCED HELICOPTER FLIGHT PRINCIPLES, PT 1**

10 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF46-2210  
Title No. 116900 Sale \$21.00  
Shows movements of rotor blades at various speeds, in fully articulated and semirigid types of rotor heads, and stabilizing and dampening devices.

**ADVANCED HELICOPTER FLIGHT PRINCIPLES, PT 2**

11 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF46-2211  
Title No. 116901 Sale \$22.50  
Shows movements of air in relation to helicopter rotor systems--effects on flight, airflow patterns from takeoff through flight and landing.

**ADVANCED TEST REACTOR**

9 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 090903 Sale \$37.25  
Uses animation to show how the Atomic Energy Commission's 250-megawatt advanced test reactor design utilizes multiple flux traps to achieve neutron density in nine independent test loop positions. Describes the clover leaf, enriched fuel annulus, and the moving control components of the test reactor.

\* INDICATES NEW ENTRY

**ADVENTURES IN INNER SPACE**

28 min, 16mm film, optical sd, col 1965  
 Producer USN Agency No. MN09680  
 Title No. 117775 Sale \$117.25  
 Shows the life and training of a nuclear submariner from recruitment through assignment.

**\*ADVENTURES OF JUNIOR RAINDROP**

8 min, 16mm film, optical sd, b&w 1948  
 Producer USDA Agency No. 1023  
 Title No. 118250 Sale \$39.00  
 Shows the need for everyone to be informed on good watershed management. Raindrops, like children, become delinquent and lawless. The animation is supplemented with live action scenes showing contrasting results of poor and good watershed management.

**ADVERTISING QUESTION, THE**

14 min, 16mm film, optical sd, col 1967  
 Producer USSBA  
 Title No. 118520 Sale \$50.00  
 Designed to correct some of the misconceptions and change some of the attitudes which many small businessmen display toward advertising. The values and techniques of advertising are discussed and some business examples are shown to emphasize pertinent points.

**AEDES AEGYPTI TV SPOTS**

3 min, 16mm film, optical sd, col  
 Producer USNMAC  
 Title No. 118545 Sale \$22.75  
 Encourages the public to eliminate standing water which might serve as a breeding ground for mosquitoes. Four forty second spots.

**AEF IN SIBERIA**

29 min, 16mm film, optical sd, b&w 1963  
 Producer USA Agency No. TV 612  
 Title No. 118546 Sale \$60.25  
 Shows mission and activities of expeditionary force which journeyed into Russia following World War I.  
 From the BIG PICTURE series.  
 CLEARED FOR TV.

**AERIAL NAVIGATION - MAP READING**

21 min, 16mm film, optical sd, b&w 1945  
 Producer USAF Agency No. TF01-3460  
 Title No. 118594 Sale \$53.50  
 Demonstrates the procedure to be followed by a navigator in charting the course of his aircraft.

**AERIAL TOUR OF WHITE SANDS MISSILE RANGE**

9 min, 16mm film, optical sd, col 1964  
 Producer USA Agency No. MF45-9525  
 Title No. 000246 Sale \$37.25  
 Highlights the natural and man-made resources of the range.

**AERODYNAMICS - FORCES ACTING ON AN AIR FOIL**

27 min, 16mm film, optical sd, b&w 1941  
 Producer USAF Agency No. TF01-0161  
 Title No. 000904 Sale \$54.50  
 Describes theory and principles of the forces acting on air foils-lift, drag, angle of attack, and wing chord. Shows development and use of wind tunnels to measure forces on a wing form and relationship between lift, drag, wing area, wind velocity, thrust, and weight.  
 CLEARED FOR TV.

**AERODYNAMICS - FUNDAMENTALS OF ROLL-DIVERGENCE**

12 min, 16mm film, optical sd, b&w 1960  
 Producer USN Agency No. MN09411  
 Title No. 118601 Sale \$26.75  
 Describes the interaction of inertial, gyroscopic, and aerodynamic forces on high-performance jet aircraft during roll maneuvers. Demonstrates through the use of animated drawings and a gimbal-mounted model of f8u aircraft, the undesirable results of excessive roll rate and duration.  
 CLEARED FOR TV.

**\*AEROELASTIC PHENOMENA AND RELATED RESEARCH**

14 min, 16mm film, optical sd, col 1973  
 Producer USNASA Agency No. L-1128  
 Title No. 003112 Sale \$56.50  
 Shows aeroelastic phenomena that result from the interaction between aerodynamic loads and the deforming surfaces in aerospace vehicles. Demonstrates some techniques employed in aeroelastic experiments.  
 FOR PROFESSIONAL GROUPS ONLY.

**AEROLOGY (THUNDERSTORMS), PT 1, - FORMATION AND STRUCTURE OF THUNDERSTORMS**

17 min, 16mm film, optical sd, b&w 1953  
 Producer USN Agency No. MN07409A  
 Title No. 118615 Sale \$35.75  
 Explains the relationship of moist air, heat, and conditionally unstable air. Shows conditions for frontal types of storms and their frequency and the structure of thunderstorms.

**AEROSPACE MEDICAL DIVISION, THE - AIR FORCE SYSTEMS COMMAND, THE UNIVERSE WITHIN**

14 min, 16mm film, optical sd, col 1965  
 Producer USAF Agency No. SFP 1313  
 Title No. 000297 Sale \$58.25  
 Reviews progress and nature of aerospace medical research in Air Force Systems Command laboratories and relates this study to clinical medicine, education and training.  
 CLEARED FOR TV.

**AEROSPACE POWER**

4 min, 16mm film, optical sd, col 1962  
 Producer USAF Agency No. FR 3235  
 Title No. 000298 Sale \$19.50  
 Provides a series of action shots of USAF aircraft and missiles, set against background music.  
 CLEARED FOR TV.

**AEROSPACE TECHNOLOGY**

13 min, 16mm film, optical sd, col 1965  
 Producer USAF Agency No. SFP 1492  
 Title No. 118629 Sale \$54.25  
 Pictures development of space age devices. Shows cap pistol motor, counter-reaction wrench, meter-resistant hyper-velocity materials, and electrostatic gyro.  
 CLEARED FOR DOMESTIC EXHIBITION ONLY.

**AFLC ZERO DEFECTS STORY**

16 min, 16mm film, optical sd, col 1966  
 Producer USAF Agency No. TF 5903  
 Title No. 118645 Sale \$68.00  
 Familiarizes Air Force Logistics Command (AFLC) employees with the zero defects program. Cites examples of AFLC error-free work and evaluates benefits of program to national defense. Describes supervisor's role, use of cause and removal of error (CARE) form, and awards for top quality performance.  
 CLEARED FOR TV.

**\*AFRICAN HORSE SICKNESS**

29 min, 16mm film, optical sd, col 1962  
 Producer USDA Agency No. 1767  
 Title No. 001031 Sale \$130.00  
 African Horse Sickness, so deadly and so highly infectious, killed an estimated 300,000 equines in two summers in the Middle East and Asia. Shows how the disease spread from Africa through the mideastern weapon against disease--knowledge. Records the progress of the disease from infection to death and the development, manufacture and administration of preventive vaccines.

**AFRICAN TRYpanosomiasis**

16 min, 16mm film, optical sd, col 1951  
 Producer USN Agency No. MN06839  
 Title No. 119725 Sale \$66.00  
 Explains the etiology, epidemiology, symptomatology, diagnosis, treatment, prognosis, prevention, and control of African trypanosomiasis (sleeping sickness).

<b>*AFTER AUTUMN</b>		<b>*AIDES MAKE THE DIFFERENCE</b>	
10 min, 16mm film, optical sd, col Producer USSR Title No. 001977	1971	15 min, 16mm film, optical sd, b&w Producer USDHEW Title No. 001978	1971
Depicts a day in the life of an 82-year old farmer, living alone, coping with problems of isolation and abandonment.	Sale \$37.50	Shows aides learning on the job, dealing with the hard problems teachers have to face. Makes a visual statement of the fact that aides, teachers and volunteers must learn to cooperate as well as medical teams do. Shows the great difference a trained aide makes in the program-coping with individual problems, acting as the link between home and classroom, and enriching the program with her special abilities.	Sale \$39.50
<b>*AFTER THE ACCIDENT</b>		<b>*AIDS TO NAVIGATION FOR BOATMEN</b>	
29 min, 16mm film, optical sd, col Producer USSR Title No. 119806	1969	27 min, 16mm film, optical sd, col Producer USCG Title No. 000905	1970
Julius Kellogg, former Harlem Globetrotter, describes the accident which caused his disability, and tells of his rehabilitation. He demonstrates the difficulties caused by such architectural barriers as stairs, and talks about how people in wheelchairs can become independent. From the <i>TO LIVE AGAIN</i> series.	Rental \$12.50 Sale \$175.00	Locates and describes the different systems of aids to navigation. Artwork provides graphic information as to size, shape, color and uses of buoys, markers and signs. Live photography, from the recreational boatman's point of view, shows them in actual day and night use. <i>CLEARED FOR TV.</i>	Sale \$107.75
<b>*AGE OF REVOLUTIONS, AN</b>		<b>*AIM, ACTION, ACHIEVEMENT</b>	
31 min, 16mm film, optical sd, col Producer USDS Title No. 003521	1971	15 min, 16mm film, optical sd, col Producer USDA Title No. 003921	1968
Traces U S foreign relations from the diplomacy of the American Revolution through the early Federal Period. Includes Benjamin Franklin's role in winning our independence, the entanglements precipitated by the French Revolution, the Louisiana Purchase, the War of 1812 and the Monroe Doctrine. From the <i>HISTORY OF U.S. FOREIGN RELATIONS</i> series.	Sale \$98.00	Agency No. 8858 Sale \$75.00	
<b>*AGRICULTURAL ENGINEERING - THE PROFESSION WITH A FUTURE</b>		Forty years ago, a vast Earth Slide occurred on the Teton National Forest in Wyoming. The 'Gros Ventre' Slide, rich in geological interest, has been set aside by the Forest Service for study and enjoyment. In a cooperative venture with the Forest Service, YWCA teenagers came from all over the U.S. to construct a foottrail across the Slide.	
14 min, 16mm film, optical sd, col Producer USDA Title No. 121200	1960	<b>AIR AND GAS CLEANING FOR NUCLEAR ENERGY</b>	
Describes the work of engineers seeking practical solutions to the problems of food and fiber production and processing. Tells of preparation for such work.	Agency No. 1412 Sale \$66.00	30 min, 16mm film, optical sd, col Producer USAEC Title No. 000299	1964
<b>*AGRICULTURE STORY, THE</b>		Discusses the need for, and development of high efficiency filters for the nuclear energy industry. Describes the manufacture of such filters and their inspection and testing. Surveys current research and development in the area of high efficiency mechanical Air Cleaning, including activities at Harvard Air Cleaning Laboratory, Oak Ridge National Laboratory, and Edgewood Arsenal.	Sale \$101.00
14 min, 16mm film, optical sd, col Producer USDA Title No. 121400	1958	<b>*AIR BRAKES - PRINCIPLES OF OPERATION</b>	
Summarizes various aspects of the work of the U.S. Department of Agriculture, such as advisory service on soil control through contour farming or crop rotation.	Agency No. 1301 Sale \$64.00	25 min, 16mm film, optical sd, b&w Producer USA Title No. 003092	1968
<b>*AGRICULTURE, U.S.A.</b>		Illustrates design and functions of components of air brakes system used in large military vehicles-operation of system when brake pedal is depressed and released.	Agency No. TF-9-3845 Sale \$52.50
29 min, 16mm film, optical sd, col Producer USDA Title No. 121450	1962	<b>AIR FORCE CAMERAS IN ACTION</b>	
Presents a commemorative tribute to the 100th year of the U.S. Department of Agriculture.	Agency No. 1500 Sale \$142.00	14 min, 16mm film, optical sd, b&w Producer USAF Title No. 000300	1959
<b>*AGRICULTURE'S SHOWCASE ABROAD</b>		Presents outstanding Air Force events of 1958, including nuclear tests, projects Manhigh and Farside, space studies, the Lebanon crisis, an Air Force goodwill tour, and successful launchings of a hybrid ThorAble missile and the Atlas ICBM. <i>CLEARED FOR TV.</i>	Agency No. SFP 0630 Sale \$30.50
14 min, 16mm film, optical sd, col Producer USDA Title No. 121490	1961	<b>AIR FORCE FAMILY HOUSING</b>	
Shows potential users of U.S. farm products as they see, feel and taste the products which are displayed by the United States at international trade fairs.	Agency No. 1384 Sale \$65.00	14 min, 16mm film, optical sd, col Producer USAF Title No. 000301	1960
<b>AIDE TO A BETTER WAY OF LIFE, AN</b>		Shows what the Air Force is doing to provide comfortable, economical, and convenient housing for U.S. Air Force families in the United States.	Agency No. SFP 0692 Sale \$58.25
18 min, 16mm film, optical sd, col Producer USPHS Title No. 121542	Sale \$75.75	<b>*AIR FORCE LEAVE AND PASS POLICIES</b>	
Depicts the work of the indigenous health educator aide, community health aide or other non-professional aide serving the inner city. Demonstrates techniques of person to person communications and follow-up and referral services as employed to achieve change.		11 min, 16mm film, optical sd, b&w Producer USAF Title No. 002916	1957
<b>AIDE TO A BETTER WAY OF LIFE, AN (SPANISH)</b>		Rental \$5.00	Agency No. TF1-5205
18 min, 16mm film, optical sd, col Producer USPHS Title No. 121543	Sale \$75.75	Defines types of leaves and passes and explains pertinent regulations.	
Depicts the work of the indigenous health educator aide, community health aide or other non-professional aide serving the inner city. Demonstrates techniques of person to person communications and follow-up and referral services as employed to achieve change.			

\* INDICATES NEW ENTRY

**AIR FORCE LOGISTICS COMMAND LOG 1968**

22 min, 16mm film, optical sd, col 1967  
 Producer USAF Agency No. SFP 1577  
 Title No. 122150 Sale \$89.75  
 Features achievements in ballistic missile engineering test facilities, computerized jet engine testing and combustion chamber salvaging. Shows prime beef program, transportation, maintenance and supply. Highlights logistical support to Air Force activities in Southeast Asia.  
 CLEARED FOR TV.

**AIR FORCE MISSILE MISSION, THE**

24 min, 16mm film, optical sd, col 1960  
 Producer USAF Agency No. SFP 608  
 Title No. 122149 Sale \$99.75  
 Explains the current Air Force missile concept and points out why we have so many weapons, what they are for, and how their development serves a dual purpose as a present-day deterrent force and a foundation for future space travel. Narrated by James Stewart.  
 CLEARED FOR TV.

**AIR FORCE NON-DESTRUCTIVE TESTING**

29 min, 16mm film, optical sd, col 1958  
 Producer USAF Agency No. TF01-5226  
 Title No. 122261 Sale \$94.50  
 Stresses importance of quality control inspections and explains various defects and their causes. Inspection methods demonstrated include magnetic particle, fluorescent penetrant, X-ray and ultra-sonic.  
 CLEARED FOR TV.

**AIR FORCE NOW, THE**

14 min, 16mm film, optical sd, col 1969  
 Producer USAF Agency No. AFN 002  
 Title No. 122262 Rental \$10.00 Sale \$56.50  
 Secretary of the Air Force Robert C Seamans, Jr and others discuss opportunities for service to both the nation and the local community by members of the Air Force.  
 CLEARED FOR TV.

**\*AIR FORCE NOW, THE, NO. 05**

17 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-5  
 Title No. 002907 Rental \$10.00  
 Shows the U S A F Drill Team and physiological training. Tells a story of a bombardier of 'the Bridge on the River Kwai' returning to visit the site. Presents the dangers of smoking.

**\*AIR FORCE NOW, THE, NO. 06**

11 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-6  
 Title No. 002908 Rental \$7.50  
 Controllers living up to their motto of 'we can do anything.' Highlights the on and off job look at duty life of W A F on assignment in southeast Asia - the disaster training - the profile of a Jolly Green Giant helicopter, and good security practices.

**\*AIR FORCE NOW, THE, NO. 07**

16 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-7  
 Title No. 002909 Rental \$10.00  
 Tells brief stories of the only glass blower in Air Force - a retired general talking of his 27 years career - a young Air Force couple - the largest collection of Air Force patches and emblems - the progress of Vietnamese Air Force, and Air Force Medal of Honor recipients.

**\*AIR FORCE NOW, THE, NO. 11**

13 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-11  
 Title No. 002911 Rental \$10.00  
 Tells brief stories of the effective communication between Air Force generations - the upcoming football season, and the airmen working with the underprivileged children.

**\*AIR FORCE NOW, THE, NO. 13**

23 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-13  
 Title No. 002912 Rental \$12.50  
 Shows the Air Force activities in cold weather-snow removal from runways, tramping through snow to air service area command missile site - interviewing skiers at ski meet - difficulties in traveling to work in northern Italy, and the function of the climatology hangar at Eglin Air Force Base.

**\*AIR FORCE NOW, THE, NO. 15**

14 min, 16mm film, optical sd, col 1971  
 Producer USAF Agency No. AFN-15  
 Title No. 002913 Rental \$10.00  
 Shows one of eight Air Force solar observatory sites at Athens Greece. Tells brief stories of the delivery of bullets, beans and mail to an isolated base, a former P O W discussing his thoughts during captivity, and the continued growth as evidence of Air Force involvement in environmental improvement.

**\*AIR FORCE NOW, THE, NO. 17**

18 min, 16mm film, optical sd, col 1971  
 Producer USAF Agency No. AFN-17  
 Title No. 002914 Rental \$10.00  
 Tells brief stories of the airmen discussing threats to our nations - a montage of aviation history - Air Force leaders discussing weapons for national survival - the aspirations of Air Force military personnel, and the opportunities in the Air Force today.

**\*AIR FORCE NOW, THE, NO. 19**

17 min, 16mm film, optical sd, b&w 1971  
 Producer USAF Agency No. AFN-9  
 Title No. 002915 Rental \$7.50  
 Tells brief stories of the Air Force efforts to improve family housing - isolated airmen benefit from a preventive medicine program, survival training for southeast Asia duty - junior officer acting as substitute fathers for children - various Air Force benefits, and comments on P O W's and M I A's.

**\*AIR FORCE NOW, THE, SCRAPBOOK, NO. 9**

16 min, 16mm film, optical sd, col 1970  
 Producer USAF Agency No. AFN-9  
 Title No. 002910 Rental \$10.00  
 Tells brief stories of the first military flight W A F volunteers serving Vietnam patients candlelight dinner, life of recruiting officer - father taking his son on a tour through the Air Force museum, and problems of air traffic flying through the Berlin corridor.

**AIR FORCE NURSE, THE - A REPORT OF THE PROFESSION**

20 min, 16mm film, optical sd, col 1965  
 Producer USAF Agency No. SFP 1241  
 Title No. 001575 Sale \$68.25  
 Pictures the life and work of an Air Force nurse. Outlines her qualifications, duties, responsibilities, and contributions to her profession. Directs attention to the career advantages in the Air Force nurse corps--opportunity for travel, diversified professional training, specialization, career advancement, and interesting social life.  
 CLEARED FOR TV.

**AIR FORCE OCCUPATIONAL MEDICAL PROGRAM**

22 min, 16mm film, optical sd, col 1965  
 Producer USAF Agency No. SFP 1358  
 Title No. 006415 Sale \$74.75  
 Defines duties of medical personnel and engineers in protecting the health of industrial workers. Discusses pre-employment and periodic examinations, emergency treatment, and minimizing or eliminating work hazards. Pictures environmental health laboratories which conduct studies on air pollution, ionizing radiation, sonic boom, etc.  
 CLEARED FOR TV.

**AIR FORCE ON CANVAS, THE**

18 min, 16mm film, optical sd, col 1963  
 Producer USAF Agency No. SFP 1188  
 Title No. 006416 Sale \$61.75  
 Presents paintings which bring to life all phases of USAF

world wide operations. Reflects achievements and progressive missions of the developing air power. Glimpses artist's concept of reach into space.  
Cleared for TV.

**AIR FORCE RESERVE - READY NOW**

22 min, 16mm film, optical sd, col 1969  
Producer USAF Agency No. SFP 1663  
Title No. 122284 Sale \$89.75  
- Dramatizes diverse mission of the Air Force reserve (AFRES) which encompasses some 400,000 Air Force reservists. Covers activities of Air Force reserve flying, medical air terminal, navigation, specialty training and logistics units.  
Cleared for TV.

**AIR FORCE ROTC COMES OF AGE**

28 min, 16mm film, optical sd, col 1967  
Producer USAF Agency No. SFP 1684  
Title No. 122288 Sale \$113.50  
Marks the 21st anniversary of Air Force ROTC. Traces AF-ROTC history, traditions and growth. Emphasizes its role in the training of future Air Force officers. Explains provisions of the scholarship program. Shows flight training, aerospace studies, and field trips to Air Force installations. Also reviews history of military training in schools and colleges during the past two centuries.  
Cleared for TV.

**AIR FORCE STORY, THE - A NEW AIR FORCE, 1945-1947**

14 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. SFP 0263-25  
Title No. 122923 Sale \$34.25  
Highlights the years 1945-47 in the history of the U S Air Force.  
Cleared for TV.

**AIR FORCE STORY, THE - AFTER THE WAR, 1918-19**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 263-02  
Title No. 122901 Sale \$25.00  
Highlights the history of the U S Air Force during the years 1918-1923.  
Cleared for TV.

**AIR FORCE STORY, THE - AIR POWER ADVANCES, 1935-1937**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-05  
Title No. 122904 Sale \$35.75  
Highlights the history of the U S Air Force during the years 1935-1937.  
Cleared for TV.

**AIR FORCE STORY, THE - AIR WAR AGAINST JAPAN, 1944-1945**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-24  
Title No. 122922 Sale \$33.25  
Highlights the history of the U S Air Force, particularly the bombing of Japan, ending with the surrender of the Japanese.  
Cleared for TV.

**AIR FORCE STORY, THE - BETWEEN WARS, 1930-1935**

13 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-04  
Title No. 122903 Sale \$34.25  
Highlights the history of the U S Air Force during the years 1930-1935.  
Cleared for TV.

**AIR FORCE STORY, THE - COLD WAR, 1948-1950**

15 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. SFP 0263-26  
Title No. 122924 Sale \$35.75  
Highlights the years 1948-1950 in the history of the U S Air Force.  
Cleared for TV.

**AIR FORCE STORY, THE - D-DAY, JUNE 1944**

13 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-19  
Title No. 122917 Sale \$32.50  
Highlights the history of the U S Air Force, particularly its operations in the invasion of German-held Europe.  
Cleared for TV.

**AIR FORCE STORY, THE - ENTERING THE ERA OF MISSILES (VOL 2, CHAP 6)**

15 min, 16mm film, optical sd, b&w 1962  
Producer USAF Agency No. SFP 0263  
Title No. 122930 Sale \$35.75  
Traces the beginning of modern missiles, showing 'the Bug', our first guided missile, and discusses DR Goddard's pioneering work with liquid fuel, air-to-air missiles of World War II, and development of V-1 and V-2. Describes USAF postwar research and progress with portrayal of Mighty Mouse, Falcon, Genie, Matador and Mace, Snark and Bomarc, and test missiles, X-10 and X-17. Depicts capabilities of USAF arsenal with improved bombers B-47 and B-52, and with intermediate and long range missiles Thor and Atlas.  
Cleared for TV.

**AIR FORCE STORY, THE - EXPANDING AIR POWER, JUNE 1943**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-13  
Title No. 122911 Sale \$33.25  
Highlights the history of the U S Air Force during June 1943, including its expanded training program and the bombing of the Island of Pantelleria.  
Cleared for TV.

**AIR FORCE STORY, THE - GLOBAL OPERATIONS, 1943**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-12  
Title No. 122910 Sale \$34.25  
Highlights the history of the U S Air Force during 1943, including its operations against german submarines, the air lift over the Himalayas, and the solomon islands campaign.  
Cleared for TV.

**AIR FORCE STORY, THE - HUMAN FACTORS IN SPACE FLIGHT, 1960-1960 (VOL 2, CHAP 8)**

14 min, 16mm film, optical sd, b&w 1963  
Producer USAF Agency No. SFP 0263  
Title No. 122932 Sale \$32.50  
Documents 10 years of research to determine man's physical and physiological ability in space flight. Includes tests of g-forces, space suits, balloon flights and oxygen re-use equipment.  
Cleared for TV.

**AIR FORCE STORY, THE - MAXIMUM EFFORT, OCTOBER 1943**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-16  
Title No. 122914 Sale \$34.25  
Highlights the history of the U S Air Force, particularly the bombing of German war plants by the 8th Air Force.  
Cleared for TV.

**AIR FORCE STORY, THE - MEETING THE RED CHALLENGE (VOL 2, CHAP 2)**

14 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. SFP 0263  
Title No. 122926 Sale \$32.50  
Highlights events leading up to the Korean war, the Communist invasion of South Korea, and the role of U S air power in stemming Communist aggression in South Korea.  
Cleared for TV.

**AIR FORCE STORY, THE - NORTH AFRICA, NOVEMBER 1942-MAY 1943**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-11  
Title No. 122909 Sale \$34.25  
Highlights the history of the U S Air Force during period from November 1942 to may 1943, particularly its operations in north Africa.

CLEARED FOR TV.

**AIR FORCE STORY, THE - ON TO THE YALU, JUNE 1950 (VOL 2, CHAP 3)**

15 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. SFP 0263  
Title No. 122927 Sale \$34.25  
Highlights the Korean war during the summer of 1950 and explains the role of the Air Force in pushing the Communist troops back to the YALU river.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - OUR WORLD-WIDE AIR FORCE, 1953-1959 (VOL 2, CHAP 5)**

14 min, 16mm film, optical sd, b&w 1961  
Producer USAF Agency No. SFP 0263  
Title No. 122929 Sale \$32.50  
Shows how the continual buildup of Soviet military forces after World War II made necessary an all-out effort by US Air Force to meet this challenge. Scenes covering Air Force activities from 1953-1959 show the development of the B-47 and B-52 aircraft, the creation of the north Atlantic Treaty Organization, the development of strategic and tactical missiles, and the growth of SAC's global strike force.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - PLOESTI, MARCH-AUGUST 1944**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-20  
Title No. 122918 Sale \$33.25  
Highlights the history of the U S Air Force, particularly the bombing of the Ploesti oil refineries by the 15th Air Force.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - PRELUDE TO INVASION, JANUARY-JUNE 1944**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-18  
Title No. 122916 Sale \$34.25  
Highlights the history of the U S Air Force, particularly the aerial attacks upon German factories, airdromes, and supply lines.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - PRELUDE TO WAR, 1937-1939**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-06  
Title No. 122905 Sale \$34.25  
Highlights the history of the U S Air Force during the years 1937-1939.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - RETREAT AND ADVANCE, JUNE 1944-MARCH 1945**

13 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-23  
Title No. 122921 Sale \$34.25  
Highlights the history of the U S Air Force, particularly the operations of the 5th, 7th, 13th, and 14th Air Force in the recapture of the Philippines.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - ROAD TO ROME, SEPTEMBER 1943-JUNE 1944**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-17  
Title No. 122915 Sale \$32.50  
Highlights the history of the U S Air Force, particularly the operations of the 15th Air Force in Italy.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - SCHWEINFURT AND REGENSBURG, AUGUST 1943**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-14  
Title No. 122912 Sale \$33.25  
Highlights the history of the U S Air Force, particularly the bombing of Regensburg and Schweinfurt in August 1943.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - STRUGGLE FOR RECOGNITION**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-03  
Title No. 122902 Sale \$33.25  
Highlights the history of the U S Air Force during the years 1924-1930.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - SUPERFORT, AUGUST 1943-JUNE 1944**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-21  
Title No. 122919 Sale \$33.25  
Highlights the history of the U S Air Force, particularly the building of B-29 superforts and their bombing of Japan from air bases in China.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE AAF FIGHTS BACK, APRIL-JULY 1942**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-09  
Title No. 122907 Sale \$34.25  
Highlights the history of the U S Air Force during the period from April to July 1942, including the battle of Midway.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE AIR FORCE ACADEMY (VOL 2, CHAP 7)**

14 min, 16mm film, optical sd, b&w 1962  
Producer USAF Agency No. SFP 0263  
Title No. 122931 Sale \$32.50  
Follows the Academy's first cadets through their four year training program which covers the sciences, humanities, leadership and airmanship. Also portrays intramural sports and campus social life.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE AIR FORCE AND THE ATOM BOMB (VOL 2, CHAP 1)**

14 min, 16mm film, optical sd, b&w 1960  
Producer USAF Agency No. SFP 0263  
Title No. 122925 Sale \$32.50  
Reviews the development of the Atomic Bomb in 1944, its effects in bringing World War II to a close, and the first extensive postwar atomic tests conducted at the Marshall Islands. Emphasizes the impact of the Hydrogen Bomb and shows how this new destructive force has changed the nature of warfare.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE AIR WAR STARTS, 1939-1941**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-07  
Title No. 122263 Sale \$33.25  
Highlights the history of the U S Air Force during the years 1939-1941, concluding with the Japanese attack on Pearl Harbor.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE BEGINNING**

15 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-01  
Title No. 122900 Sale \$35.75  
Highlights the history of the U S Air Force, particularly the role of airplanes in World War I.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE DRAWING OF THE BATTLE LINES, DECEMBER 1941 TO APRIL 1942**

14 min, 16mm film, optical sd, b&w 1953  
Producer USAF Agency No. SFP 0263-08  
Title No. 122906 Sale \$33.25  
Highlights the history of the U S Air Force during the period from December 1941 to April 1942, including Colonel Doolittle's bombing mission over Japan.  
CLEARED FOR TV.

**AIR FORCE STORY, THE - THE FINAL PHASE (VOL. 2, CHAP 4)**

14 min, 16mm film, optical sd, b&w 1960  
**Producer USAF** Agency No. SFP 0263  
**Title No. 122928** Sale \$32.50  
Shows how the U.S. Air Force, with superior tactical and logistical air support, played a large part in helping to end the Korean war.  
**CLEARED FOR TV.**

**AIR FORCE STORY, THE - THE TIDE TURNS, JUNE DECEMBER 1942**

14 min, 16mm film, optical sd, b&w 1953  
**Producer USAF** Agency No. SFP 0263-10  
**Title No. 122908** Sale \$33.25  
Highlights the history of the U.S. Air Force during the period from June to December 1942.  
**CLEARED FOR TV.**

**AIR FORCE STORY, THE - TWO YEARS OF WAR, SEPTEMBER-DECEMBER 1943**

14 min, 16mm film, optical sd, b&w 1953  
**Producer USAF** Agency No. SFP 0263-15  
**Title No. 122913** Sale \$34.25  
Highlights the history of the U.S. Air Force during the period from September to December 1943, particularly its operations in Burma, New Guinea, and Rabaul.  
**CLEARED FOR TV.**

**AIR FORCE STORY, THE - VICTORY IN EUROPE, JUNE 1944-MAY 1945**

14 min, 16mm film, optical sd, b&w 1953  
**Producer USAF** Agency No. SFP 0263-22  
**Title No. 122920** Sale \$33.25  
Highlights the history of the U.S. Air Force, particularly the operations of the 8th Air Force in Europe.  
**CLEARED FOR TV.**

**AIR FORCE TACTICAL FIREPOWER**

13 min, 16mm film, optical sd, b&w 1963  
**Producer USAF** Agency No. SFP 1164  
**Title No. 122265** Sale \$23.00  
Flashbacks of tactical air power since World War I show how fighters and interceptors contributed significantly to allied victories.  
**CLEARED FOR TV.**

**AIR FORCE TECHNICAL ORDER SYSTEM, THE**

19 min, 16mm film, optical sd, b&w 1957  
**Producer USAF** Agency No. TF01-5105  
**Title No. 122086** Sale \$33.75  
Explains the U.S. Air Force technical order system-including a library of some 35,000 technical manuals, how they are filed, and how to find the manual needed for a specific job.

**AIR FORCE VETERINARY SUPPORT FOR THE MILITARY DOG PROGRAM IN SOUTHEAST ASIA**

24 min, 16mm film, optical sd, col 1968  
**Producer USAF** Agency No. TF 6105  
**Title No. 122275** Sale \$98.00  
Reviews sentry dog program in Southeast Asia. Cites veterinarian officer's responsibilities and duties. Illustrates sentry dog clinics, treatment rooms and well constructed kennels. Shows work environment and treatment of diseases and disorders peculiar to dogs in Southeast Asia.  
**CLEARED FOR TV.**

**AIR FORCE'S FLYING HOSPITALS, THE**

14 min, 16mm film, optical sd, col 1966  
**Producer USAF** Agency No. SFP 1350  
**Title No. 122081** Rental \$10.00 Sale \$48.50  
Pictures duties of the senior flight nurse and her crew before take-off from an overseas hospital to the United States. Also shows duties of MAC medical airlift personnel on domestic flights from and to hospitals within the states.  
**CLEARED FOR TV.**

**AIR GUARD ON THE GO**

22 min, 16mm film, optical sd, col 1965  
**Producer USAF** Agency No. SFP 1378  
**Title No. 000302** Sale \$74.75  
Covers emergency signaling procedures, pre-deployment

briefings, air refueling operations, and TAC's monitoring of the entire operation. Points out the readiness capability of the guard and its ability to provide its own support equipment.  
**CLEARED FOR TV.**

**AIR MASSES AND FRONTS - AIR MASSES**

12 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. TF01-5388A  
**Title No. 000303** Sale \$42.00  
Outlines the fundamentals of air masses. Covers general characteristics and causes of stable and unstable air. Other sequences discuss cumulus and stratus cloud layers, turbulence, various directions of air mass movements and effects of heat, cold, altitude and moist air.  
**CLEARED FOR TV.**

**AIR MASSES AND FRONTS - FRONTS AND THE SURFACE WEATHER MAP**

10 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. TF01-5388B  
**Title No. 000304** Sale \$34.00  
Explains the use of surface weather maps and shows how fronts form from warm and cold air. Shows how weather patterns appear on the map and discusses general wind directions, wind shifts, low pressure trough, frontal surfaces and temperature changes. Also covers prognostic charts.  
**CLEARED FOR TV.**

**AIR MASSES AND FRONTS - THE COLD FRONT**

9 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. TF01-5388C  
**Title No. 000305** Sale \$31.00  
Explains the various causes of cold fronts, shows how they appear on the map, examines their typical structures and points out where bad weather usually forms. Also covers summer and winter cold fronts and squall lines.  
**CLEARED FOR TV.**

**AIR MASSES AND FRONTS - THE OCCLUDED FRONT**

9 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. TF01-5388E  
**Title No. 000306** Sale \$31.00  
Outlines principles of the occluded front. Shows how it forms and discusses its associated weather. Points out the effects of warm and cold air mixtures in summer and winter.  
**CLEARED FOR TV.**

**AIR MASSES AND FRONTS - THE WARM FRONT**

11 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. TF01-5388D  
**Title No. 000307** Sale \$37.25  
Discusses the hazards of the warm front and shows how it forms. Covers nimbostratus and alto-stratus cold decks, summer and winter patterns, areas of instability and structural ice.  
**CLEARED FOR TV.**

**AIR OPERATIONS IN THE ANTARCTIC**

16 min, 16mm film, optical sd, col 1960  
**Producer USN** Agency No. MN08775  
**Title No. 122284** Sale \$55.00  
Discusses the variety and scope of air operations in the Antarctic, and describes in detail ground operations, pre-flight check, preheating, starting, taxiing, take-off, landing, parking, and securing.  
**CLEARED FOR TV.**

**\*AIR POLLUTION AND PLANT LIFE**

20 min, 16mm film, optical sd, col  
**Producer USEPA** Agency No. TS-105  
**Title No. 122260** Sale \$68.25  
Surveys air pollution injury to vegetation across the country by common atmospheric pollutants such as sulfur dioxide, oxides of nitrogen, fluorides, ozone, and pan. Areas of injury surveyed include Tennessee, Alabama, Florida, West Virginia, Maryland, and California.  
**SUGGESTED FOR PROFESSIONAL AND TECHNICAL TRAINED AUDIENCES IN GOVERNMENT, INDUSTRY, AND EDUCATION AT THE UNDERGRADUATE LEVEL OR ABOVE.**

## AIR POLLUTION IN THE NEW YORK-NEW JERSEY INTER-STATE AREA

15 min, 16mm film, optical sd, col

Producer USNMAC

Title No. 122270

Illustrates the interstate nature of air pollution and deals with two of the major pollutants--sulfur dioxide and carbon monoxide. It discusses the harmful effects of both gases, and the seriousness of air pollution in this seventeen county bi-state area.

Agency No. M-1624-X

Sale \$51.75

## AIR POWER AND THE MAN

29 min, 16mm film, optical sd, b&w

Producer USAF

Title No. 122308

Reviews the career of General Curtis E Lemay from flying school graduation in 1929 to his retirement as Air Force Chief of Staff. Covers his feats as a leader of military forces in times of war and peace.

CLEARED FOR TV.

1965

Agency No. SFP 1388

Sale \$50.25

## AIR POWER IN ACTION - THE U S AIR FORCE IN VIETNAM

13 min, 16mm film, optical sd, col

1966

Producer USAF

Title No. 122310

Agency No. FR 0643

Rental \$10.00 O/PRINT

Depicts key role of air power in Vietnam crisis. Shows activities in strategic and tactical air-to-ground assault, interdiction, reconnaissance, air rescue, and assault airlift.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

## AIR RESCUE SERVICE, THE

10 min, 16mm film, optical sd, col

1961

Producer USAF

Title No. 122330

Agency No. SFP 1085

Sale \$34.00

Defines the role and global mission of MATS air rescue service which stands ready to act in emergencies.

## AIR RESERVE FORCES, THE

13 min, 16mm film, optical sd, col

1959

Producer USAF

Title No. 122331

Agency No. SFP 0620

Rental \$10.00 Sale \$45.25

Describes mission, training, and combat readiness of the Air force Reserves and Air National Guard.

CLEARED FOR TV.

## AIR SAMPLING FOR MICROBIOLOGICAL PARTICULATES

11 min, 16mm film, optical sd, col

1965

Producer USPHS

Title No. 122305

Agency No. M-0926

Sale \$37.25

Shows the proper techniques for sampling air-borne bacteria in hospitals, using the reyniers and TDL samplers. Illustrates reasons for air-borne sampling, operation of the two samplers and counting bacterial colonies.

## AIR START CHECK VALVE, CYLINDER RELIEF VALVE, AND INDICATOR COCK

13 min, 16mm film, optical sd, b&w

1944

Producer USN

Title No. 000308

Agency No. MN03691G

Sale: W/DRAWN

Tells how to disassemble and reassemble the air start check valve, cylinder relief valve, and the indicator cock and test the cylinder relief valve.

From the FAIRBANKS MORSE DIESEL ENGINE MAINTENANCE Series: Model 38D8 1/8 O.P.

## \*AIR TRAFFIC CONTROL AND PERFORMING ARTS

7 min, 16mm film, optical sd, col

1973

Producer USFAA

Title No. 001979

Agency No. FA-05-72

Sale \$29.50

Shows how computers assist air traffic controllers at airports. ARTS III - short for Automated Radar Terminal Systems is explained by a controller at Dulles Airport tower. This equipment is in operation at many major terminals through the U.S.

## AIR TRAFFIC CONTROL PROCEDURES

30 min, 16mm film, optical sd, b&w

1960

Producer USAF

Agency No. TF01-5350

Title No. 122373

Sale \$52.00

Outlines air traffic control responsibilities of pilots and controllers and points out the growing complexity of air traffic problems.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

## AIR UNIVERSITY, THE

28 min, 16mm film, optical sd, col

1968

Producer USAF

Agency No. SFP 1680

Title No. 122385

Sale \$113.50

Depicts the Air University mission. Outlines the curricula, objectives and methods of instruction in the Air War College, Air Command and Staff College, Officers' Squadron School, Institute of Technology, and extension courses. Explains how the University's wide field of teaching is designed to advance Officers and airmen in their careers.

CLEARED FOR TV.

## \*AIR WE BREATHE IN INDUSTRIAL ENVIRONMENTS, THE

16 min, 16mm film, optical sd, col

1972

Producer USBM

Title No. 003567

Sale \$68.00

Discusses the composition and importance of air in relation to various working environments - describes industrial health (breathing) hazards encountered and the importance of protecting workers by using protective equipment and proper ventilation.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4995 FOREST AVENUE, PITTSBURGH, PENNSYLVANIA 15239. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

## AIR WEATHER SERVICE OF THE USAF, THE

14 min, 16mm film, optical sd, col

1968

Producer USAF

Agency No. SFP 1359

Title No. 000309

Sale \$48.50

Portrays Air Weather Service's (AWS) global network of weather facilities. Shows how AWS provides accurate weather information for military use through its weather centers, forecast centers, base weather stations, observation sites and world-wide weather reconnaissance and atmospheric sampling missions.

CLEARED FOR TV.

## AIRBORNE OCEANOGRAPHY - OCEANOGRAPHER OF THE NAVY

23 min, 16mm film, optical sd, col

1969

Producer USN

Agency No. MN10523

Title No. 122390

Sale \$94.00

Shows major areas of airborne research conducted by the Oceanographic Office. Includes scenes of long-range ice forecasting, magnetic surveying of the Earth's surface and surveying the Gulf Stream.

## AIRBORNE TRANSMISSION OF TUBERCULE BACILLI

7 min, 16mm film, optical sd, col

1968

Producer USNMAC

Agency No. M-1300

Title No. 122560

Sale \$24.50

Shows how airborne tuberculosis infection takes place, how the pattern of transmission is verified, and how infection can be controlled.

## AIRCRAFT ACCIDENT INVESTIGATION

37 min, 16mm film, optical sd, b&w

1957

Producer USAF

Agency No. TF01-8150

Title No. 006417

Sale \$63.50

Explains that simple human errors are the cause of most aircraft accidents, many of which are triggered by the personal problems of the pilot. Demonstrates the techniques of medical investigation in two cases of deaths resulting from preventable accidents.

CLEARED FOR TV.

**AIRCRAFT CALLED SEVENTY, THE**

31 min, 16mm film, optical sd, col 1965  
 Producer USAF Agency No. SFP 1158  
 Title No. 122570 Sale \$104.25  
 Reviews pilot preparation and maiden flight of XB-70. Highlights development and construction of unique features such as stainless steel skin and folding wing tips.  
 CLEARED FOR TV.

**AIRCRAFT CRASH FIRE INCIDENT SIMULATION TESTS OF THE LIGHT WATER TWINNED AGENT SYSTEM**

18 min, 16mm film, optical sd, col 1966  
 Producer USN Agency No. MN10333  
 Title No. 122608 Sale \$74.25  
 Shows introduction of twinned agent (light water and purple-k powder) fire extinguishers into the aircraft fire fighting and rescue service.  
 NOT CLEARED FOR TV.

**AIRCRAFT ENGINE F5350-SOW - PRINCIPLES OF OPERATION**

15 min, 16mm film, optical sd, b&w 1965  
 Producer USN Agency No. FN08032  
 Title No. 122574 Sale \$35.75  
 Describes general engine, carburetion and super-charging, low tension ignition, power conversion and recovery, lubrication and cooling systems.

**AIRCRAFT ENGINES - ELEMENTS OF ELECTRICITY AS APPLIED TO IGNITION SYSTEMS**

28 min, 16mm film, optical sd, b&w 1941  
 Producer USAF Agency No. TF01-0136  
 Title No. 122580 Sale \$48.25  
 Portrays elementary phenomena in electricity and magnetism and the application of these principles to engine ignition systems.  
 CLEARED FOR TV.

**AIRCRAFT FAMILIARIZATION - T2J-1 BUCKEYE, AIRCRAFT SYSTEMS**

13 min, 16mm film, optical sd, col 1960  
 Producer USN Agency No. MN08817-A  
 Title No. 122589 Sale \$60.00  
 Shows the T2J-1 Buckeye and its aircraft systems. Describes in diagrammatic detail the fuel, oil, hydraulic, and electrical systems.  
 CLEARED FOR TV.

**AIRCRAFT FAMILIARIZATION - T2J-1 BUCKEYE, CARRIER PROCEDURES**

10 min, 16mm film, optical sd, col 1960  
 Producer USN Agency No. MN08817-E  
 Title No. 122590 O/PRINT  
 Shows paddles-controlled and mirror approaches for carrier landings in the T2J-1 Buckeye. Demonstrates carrier deck handling procedures between arrested landing and catapulting, pilot techniques for maneuvering T2J-1 onto the catapult, and standard cockpit procedures prior to launch.  
 CLEARED FOR TV.

**AIRCRAFT FAMILIARIZATION - T2J-1 BUCKEYE, EMERGENCY PROCEDURES**

10 min, 16mm film, optical sd, col 1960  
 Producer USN Agency No. MN08817-B  
 Title No. 122591 Sale \$34.00  
 Demonstrates simulated in-flight emergencies in the T2J-1 a Buckeye for the benefit of the Naval Air basic training flight student. Includes engine failure with air start procedures, fire, failure of the aircraft systems, remedial procedures, and operation of the pilot escape (ejection seat) system.  
 CLEARED FOR TV.

**AIRCRAFT FAMILIARIZATION - T2J-1 BUCKEYE, FIELD CARRIER LANDING PROCEDURES**

11 min, 16mm film, optical sd, col 1960  
 Producer USN Agency No. MN08817-D  
 Title No. 122592 Sale \$37.25  
 Describes the detailed patterns of landing procedures and demonstrates the flight techniques to be utilized by the naval air basic training student in flying paddles - controlled and mirror approaches in field carrier landing procedures for the T2J-1 Buckeye. Illustrates LSO signals and mirror 'meatball'

positions with in-flight responses required of the student pilot.

CLEARED FOR TV.

**AIRCRAFT FAMILIARIZATION - T2J-1 BUCKEYE, OPERATING PROCEDURES**

22 min, 16mm film, optical sd, col 1965  
 Producer USN Agency No. MN 8817-C  
 Title No. 001577 Sale \$74.75  
 Takes a naval air basic training student initial familiarization flight in the T2J-1 Buckeye. Demonstrates complete pre-flight inspection of aircraft, pre-start cockpit check engine start, taxiing, takeoff, stall, spin, roll, let-down to landing approach, final landing, and shut-down procedure.

**AIRCRAFT FIRE AND RESCUE PROCEDURES**

39 min, 16mm film, optical sd, col 1968  
 Producer USAF Agency No. TF 6176  
 Title No. 122613 Sale \$154.50  
 Outlines procedures for controlling aircraft fires and rescuing crewmen. Points out different techniques applying to armed aircraft, tankers, and cargo aircraft. Shows various fire truck approaches and positions. Also depicts routine personnel activities including maintenance, inspection and training programs.  
 CLEARED FOR TV.

**AIRCRAFT MAGNETO, THE - THEORY AND OPERATION OF THE FOUR-POLE MAGNETO**

30 min, 16mm film, optical sd, b&w 1944  
 Producer USAF Agency No. TF01-3638  
 Title No. 122620 Sale: W/DRAWN  
 Shows the relationship between the magneto and the airplane electrical system, and explains magnetism, magnetic flux, induction, Lenz's law, static and resultant flux.  
 CLEARED FOR TV.

**AIRCRAFT OBSERVER'S PLACE IN THE AIR FORCE, THE**

26 min, 16mm film, optical sd, b&w 1941  
 Producer USAF Agency No. SFP 0311  
 Title No. 122625 Sale: W/DRAWN  
 Explains the function of the aircraft observer and follows a pre-flight student through his navigation electronics, and flight training, which qualifies him as navigator, bombardier, and radarman on a B-47 crew.

**AIRCRAFT TIRES AND TUBES - SHOP INSPECTION, STORAGE, AND DISPOSITION**

7 min, 16mm film, optical sd, b&w 1960  
 Producer USAF Agency No. TF-1 5106C  
 Title No. 122630 Sale \$12.50  
 Shows a central tire shop where tires and tubes are rigidly inspected and checked for serviceability. Describes procedures for inspecting, testing, and storing tires and tubes.

**AIRLIFT FROM AMERICA**

24 min, 16mm film, optical sd, col 1966  
 Producer USAF Agency No. SFP 1293  
 Title No. 122730 Rental \$12.50 Sale \$98.00  
 Depicts the wide scope and global range of the Military Airlift Command (MAC) mission. Travelogue footage from numerous foreign countries highlights MAC achievements in aeromedical evacuation, mercy mission to disaster areas, and assault and strategic airlifts.  
 CLEARED FOR TV.

**AIRMOBILE DIVISION, THE**

29 min, 16mm film, optical sd, b&w 1966  
 Producer USDOD Agency No. AIF 015  
 Title No. 122735 Sale \$50.25  
 Describes the history, organization, and capabilities of the 1st Cavalry Division.

**AIRPLANE MECHANIC, THE**

9 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 278  
 Title No. 122825 Rental \$5.00 Sale \$19.00  
 Gives duties, skills, and responsibilities of an airplane mechanic.  
 From the AIRCRAFT WORK series. Preventive Maintenance

**AIRPLANE STRUCTURES - CONTROL SURFACES**

7 min, 16mm film, optical sd, b&w 1943  
**Producer USAF** Agency No. TF01-0700  
**Title No. 122830** Sale: W/DRAWN  
 Describes construction and principles of operation of wing flaps, ailerons, elevator, rubber and trim tabs.  
 CLEARED FOR TV.

**AIRPORTS IN PERSPECTIVE**

15 min, 16mm film, optical sd, col 1969  
**Producer USFAA** Agency No. FA-0706  
**Title No. 123620** Sale \$68.00  
 Documents how some cities have applied workable solutions to problems associated with aviation's dynamic growth, with special emphasis focused on the coordination between airport development and comprehensive urban transportation planning programs.  
 CLEARED FOR TV.

**ALASKA, NEWEST OF THE UNITED STATES OF AMERICA**

18 min, 16mm film, optical sd, b&w 1958  
**Producer USIA** Agency No. 01-04202  
**Title No. 124510** Rental: W/DRAWN Sale: W/DRAWN  
 Gives general information and background material on Alaska and its potential. Includes President Eisenhower's signing of the bill granting statehood to the Territory of Alaska in 1958.

**ALASKAN CENTENNIAL**

29 min, 16mm film, optical sd, col 1967  
**Producer USA** Agency No. TV 698  
**Title No. 124590** Sale \$115.50  
 Tells the history of Alaska, first as a possession, then as the 49th state. Describes the role of Alaska in assisting the United States in defense, resources, and manpower for peace.  
 From the *BIG PICTURE* series.  
 CLEARED FOR TV.

**ALASKAN HERITAGE**

20 min, 16mm film, optical sd, b&w 1967  
**Producer USDOD** Agency No. AFMR 0663  
**Title No. 124630** Sale \$54.50  
 Gives the history and development of Alaska--focusing on the important role of the U.S. Armed Forces in Alaska, past and present. Shows her present day status and strategic importance as she celebrates her centennial.

**ALASKAN PATROL**

28 min, 16mm film, optical sd, col 1957  
**Producer USCG**  
**Title No. 124635** Rental: W/DRAWN Sale: W/DRAWN  
 Shows the Coast Guard on patrol in the alaskan area--protecting seal herds, enforcing halibut fishing regulations, and providing medical aid for the Eskimos. Illustrates how the Eskimos work and live. Includes rare scenes of the Nalukatuk dance.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

**\*ALCOHOL**

5 min, 16mm film, optical sd, col 1971  
**Producer USNIMH**  
**Title No. 125100** Rental \$7.50 Sale \$21.50  
 Shows how this widely used drug works on the body's chemistry. Presents various drinking practices in American culture.  
 From the *SINGLE CONCEPT DRUG FILM* series.

**\*ALCOHOL**

29 min, 16mm film, optical sd, col  
**Producer USSR**  
**Title No. 125101** Rental \$12.50 Sale \$175.00  
 An alcoholic, and former bank vice-president, describes his experience on skid row and how he found a new life through the Utah rehabilitation program.  
 From the *TO LIVE AGAIN* series.

**ALERT IN THE PACIFIC**

15 min, 16mm film, optical sd, col 1961  
**Producer USAF** Agency No. SFP 0626  
**Title No. 125500** Rental \$10.00 Sale \$51.75  
 Describes the growing strength of Russian air power and explains how PACAF (Pacific Air Forces) stands ready to strike the first defensive blow.  
 CLEARED FOR TV.

**ALEUTIAN MANNING**

30 min, 16mm film, optical sd, col 1962  
**Producer USAF** Agency No. SFP 1105  
**Title No. 000310** Sale \$101.00  
 Tells the story of the men who operate the radar outposts along the Aleutians, a forbidding but strategic chain of islands. Narrated by the late Dick Powell.  
 CLEARED FOR TV.

**ALEUTIAN SKYWATCH**

28 min, 16mm film, optical sd, col 1961  
**Producer USAF** Agency No. SFP 1002  
**Title No. 000311** Sale \$88.00  
 Tells the story of the aleutian Dewline, a network of radar outposts stretching across the Aleutian Islands.  
 CLEARED FOR TV.

**\*ALICE IN NUMBERLAND**

15 min, 16mm film, optical sd, col 1962  
**Producer USDA** Agency No. 1642  
**Title No. 126725** Sale \$67.00  
 Alice, a housewife, learns that numbers guide the producing and distributing market. She discovers the vast amount of numbers that farmers, processors and retailers provide to the statistical reporting service of the USDA.

**ALIGNING AND INSTALLING AUXILIARY MACHINERY**

17 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 096  
**Title No. 126815** Rental \$7.50 Sale \$35.75  
 Shows how to lay out foundations for machinery installation, drill bolt holes, establish centers for holes for drilling, and align machines accurately on foundations.  
 From the *SHIPBUILDING SKILLS* series. Marine Machinery Installation, No. 2

**ALL IT TAKES IS ONCE**

25 min, 16mm film, optical sd, col 1969  
**Producer USFAA** Agency No. FA-0801  
**Title No. 127300** Sale \$101.75  
 Depicts the serious flight hazard of mental distraction, and shows how pilots can be distracted in flight by preoccupation with personal problems. Five psychological problems frequently encountered by general aviation pilots are presented.  
 CLEARED FOR TV.

**ALL WEATHER TESTING OF AERONAUTICAL SYSTEMS**

17 min, 16mm film, optical sd, col 1965  
**Producer USAF** Agency No. FR 497  
**Title No. 127640** Sale \$72.00  
 Describes tests conducted in deserts, polar regions, and in other extremes of temperature and atmospheric conditions to determine aircraft systems reliability.  
 CLEARED FOR TV.

**\*ALL WEATHER WOOD FOUNDATIONS**

10 min, 16mm film, optical sd, col 1972  
**Producer USDA** Agency No. 11387  
**Title No. 001965** Sale \$54.00  
 Shows the actual construction of a house using a treated wood foundation and the advantages that accrue from this technique.

**ALLEN CASE, THE**

25 min, 16mm film, optical sd, b&w  
**Producer USSR**  
**Title No. 002946** Sale \$43.75  
 Shows a mother receiving aid for dependent children. Demonstrates how Mrs. Allen is helped to cope with her problem and how social workers can increase their skill in treatment oriented interviewing. Useful in teaching crises intervention concepts.

**OTHER FORMAT(S) or VERSION(S)**

75 min, 16mm film, optical sd, b&amp;w

Producer USSR

Title No. 002945

Sale \$135.00

**ALLIED VIEW OF AMERICAN HERITAGE, AN**

14 min, 16mm film, optical sd, col

1965

Producer USAF

Agency No. SFP 1338

Title No. 127824

Sale \$48.50

Tour of Yorktown, Williamsburg, and Jamestown provided officers of allied countries with insight to American heritage.  
CLEARED FOR TV.**ALONG OUR SHORES**

15 min, 16mm film, optical sd, b&amp;w

1945

Producer USCG

Title No. 128385

Sale \$33.00

Known as the Coast Guard at War, Pt 1, Along Our Shores. Reviews the 1941-45 wartime activities of the continental limits and off the shores of the United States.

**\*ALPHA, BETA, AND GAMMA**

44 min, 16mm film, optical sd, b&amp;w

Producer USAEC

Title No. 001228

Sale \$74.75

Gives insight into the origins and nature of Alpha, Beta, and Gamma radiation. After a brief discussion of the methods of describing atoms and the introduction of the energy-level concept, the lecturer introduces the potential-energy well model of the nucleus. This, together with the barrier model, is used as the frame of reference for a variety of other nuclear concepts. Filmed under the direction of the Atomic Energy Commission's Division of Isotope Development. From the *UNDERSTANDING THE ATOM* series.**AMBULATION TRAINING FOR THE PARKINSON PATIENT**

7 min, 16mm film, optical sd, col

1967

Producer USNMAC

Agency No. M-1445

Title No. 128680

Sale \$22.75

Presents a detailed explanation and demonstration of techniques for use in ambulation training for the Parkinson patient.

**AMBULATION TRAINING OF THE HEMIPLEGIC PATIENT**

10 min, 16mm film, optical sd, col

Producer USNMAC

Agency No. M-1333

Title No. 129675

Sale \$34.00

Shows beginning ambulation training of the hemiplegic patient using a handy standy or a pick-up strap, according to the particular needs of the patient. These temporary assists are used with the patient inside the parallel bars. Delivery of a brace can take as long as six weeks and the hemiplegic's ambulation program need not be delayed that long.

**AMERICA IN SPACE - THE FIRST DECADE**

28 min, 16mm film, optical sd, col

Producer USNASA

Agency No. HQ 183

Title No. 130030

Sale \$119.50

Provides a 10-year history of NASA's role in the exploration of space. Describes major accomplishments in aeronautics, atmospheric research, the use of scientific and applications satellites, studies of the Moon and planets, and manned space flight.

CLEARED FOR TV.

**\*AMERICA IN SPACE - THE FIRST FIVE YEARS**

14 min, 16mm film, optical sd, col

1963

Producer USNASA

Agency No. HQ 103

Title No. 130040

Sale \$58.25

Traces the growth of America's space program from Explorer 1 through the initial phases of the Apollo program.

**\*AMERICA ON THE ROCKS**

15 min, 16mm film, optical sd, col

1973

Producer USNIAA

Title No. 004659

Rental \$10.00 Sale \$75.00

Documents the national problem of alcoholism and spells out the plight of 9 million drinkers in the Country today.

**OTHER FORMAT(S) or VERSION(S)**

29 min, 16mm film, optical sd, col

1973

Producer USNIAA

Title No. 003902

Rental \$12.50 Sale \$113.50

**AMERICA'S CRITICS ABROAD**

20 min, 16mm film, optical sd, b&amp;w

1965

Producer USDOD

Agency No. AFIF 0137

Title No. 130150

Rental \$7.50 Sale \$42.50

Explains how to counter adverse criticism of the United States when abroad and how to reply to questions about American habits, attitudes, and policies. Points out the serviceman's responsibility to be accurately informed when representing the position of the United States Government.  
NOT CLEARED FOR TV.**AMERICAN FIRST ARMY - AACHEN TO THE ROER RIVER**

25 min, 16mm film, optical sd, b&amp;w

Agency No. CHR-B030

Title No. 130750

Sale \$60.25

Shows scenes of the American 1st Army's advance from Aachen to the Roer River in World War II. Covers activities of the 1st, 9th, 28th, 83rd, and 104th Divisions, and the 3rd Armored Division.

**AMERICAN ISLAND, THE**

29 min, 16mm film, optical sd, col

1970

Producer USBOR

Title No. 131820

Rental \$12.50 Sale \$117.50

Shows one of America's last unspoiled resources, her islands. Indicates how intelligent planning for use provides a variety of recreational activities and protects this environment for future generations. Covers islands from Maine to California, such as, Mt Desert Island, Harkers Island, Isle Royal, and Santa Catalina.

**AMERICAN NAVY IN VIETNAM**

28 min, 16mm film, optical sd, col

Agency No. MN10276

Producer USN

Title No. 132140

Sale \$94.50

Illustrates the Navy's commitments in Vietnam including bombing and missile strikes, a river assault landing, and civil action. Narrated by Chet Huntley.

**AMERICAN NINTH ARMY - AACHEN TO THE ROER RIVER**

31 min, 16mm film, optical sd, b&amp;w

Agency No. CHR-B-029

Producer USA

Title No. 132155

Sale \$53.50

Shows scenes of the American 9th Army's advance from Aachen to the Roer River in World War II.

**AMERICAN SOLDIER IN COMBAT, THE**

29 min, 16mm film, optical sd, b&amp;w

1980

Producer USA

Title No. 132705

Sale \$50.25

An account of the combat history of the American fighting man from the early days to the struggle for independence in the present era.

**\*AMHARIC - BASIC COURSE, UNITS 1-50**

26 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004030

Sale \$84.50

Cassettes and accompanying text are both available for \$86.75.

**OTHER FORMAT(S) or VERSION(S)**

51 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004031

Sale \$142.00

Tape set and accompanying text are both available for \$144.25.

**\*AMHARIC - BASIC COURSE, UNITS 51-60 AND READER GLOSSARY**

5 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004032

Sale \$16.25

Cassettes and accompanying text are both available for \$18.75.

**OTHER FORMAT(S) or VERSION(S)**

10 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004033

Sale \$28.00

Tape set and accompanying text are both available for \$30.50.

#### AMMUNITION SUPPLY POINT OPERATION

25 min, 16mm film, optical sd, b&w 1954  
Producer USA Agency No. TF09-1859  
Title No. 133401 Sale \$52.50  
Depicts the operation of a typical ammunition supply point in receipt and issue of ammunition, emphasizing the need for accurate records, proper storage, and safety measures.

#### \*AMONG YOUR SOUVENIRS

15 min, 16mm film, optical sd, col 1967  
Producer USDA Agency No. 6355  
Title No. 133545 Sale \$67.00  
Portrays the menace foreign plant and animal pests present to U S agriculture and public health. shows how tourists unwittingly bring serious foreign pests into the United States in innocent looking items. Depicts inspections carried on to stop these invasions.

#### AMPERES, VOLTS, AND OHMS

8 min, 16mm film, optical sd, b&w  
Producer USN Agency No. MN01540U  
Title No. 133550 Rental \$5.00 Sale \$18.00  
Explains the meaning, relationship, and measurement of amperes, volts, and ohms.

#### AMPLIFIER DISTORTION

22 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-325  
Title No. 133710 Sale \$46.25  
Defines harmonics and square wave, and explains the frequency content of a square wave. Defines and explains what causes frequency, amplitude, and phase distortion. Identifies waveshapes of each type of distortion. (Kinescope)

#### AMPLIFIER PRINCIPLES

35 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-414  
Title No. 133714 Sale \$72.50  
Identifies and compares voltage and power amplifiers. Explains class A, AB, B, and C amplifiers as to their operating point on the characteristic curve as determined by their bias. Discusses the third method of classifying amplifiers, that of frequency. Compares the efficiency and fidelity of each class of amplifier, and gives the configuration of the three types of amplifier circuits. (Kinescope)

#### AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 1

20 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-323A  
Title No. 133716 Sale \$42.50  
Discusses frequency response, voltage and current amplification, and classes of operation. Defines fidelity, selectivity, sensitivity, and efficiency. (Kinescope)

#### AMPLIFIER PRINCIPLES - CLASSIFICATION, PT 2

20 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-323B  
Title No. 133718 Sale \$42.50  
Identifies class A, AB, B and C amplifiers from their characteristic curves. Compares their efficiency, fidelity, and demonstrates how bias and magnitude of input signal determine the class of operation. (Kinescope)

#### AMPLIFIER PRINCIPLES - COUPLING, PT 1

27 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-324A  
Title No. 133724 Sale \$58.50  
Illustrates and explains direct coupling of amplifier stages. Gives the limitations and the main advantage of direct coupling. Discusses RC coupling, showing the schematic and explaining the purpose of the components. Shows and traces the path of an AC signal through the RC coupling network. (Kinescope)

#### AMPLIFIER PRINCIPLES - COUPLING, PT 2

25 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-324B  
Title No. 133726 Sale \$52.50  
Shows the difference between RC and impedance coupling. Discusses the function of the components and the reason for impedance coupling having a high gain. Shows the schematic diagram and traces the AC signal through the circuit. Gives a schematic of a transformer coupled amplifier, explains the action of a transformer coupled amplifier, and traces the current flow through the circuit. (Kinescope)

#### \*AMVER - LIFESAVING COMPUTER OF THE SEAS

14 min, 16mm film, optical sd, col 1973  
Producer USCG Agency No. GCMP-1572  
Title No. 001980 Sale \$58.25  
Describes the AMVER (Automated Mutual Assistance Vessel Rescue System) and how it works as an aid to the development and coordination of search and rescue efforts at sea. CLEARED FOR TV.

#### \*AMVER-AUTOMATED MERCHANT VESSEL REPORTS

14 min, 16mm film, optical sd, col 1965  
Producer USCG  
Title No. 004437 Sale \$57.00  
Provides a graphic fast-moving description of the Amver system and how it works as an aid to the development and co-ordination of search and rescue efforts at sea. The system is shown in action as its electronic computer furnishes positions and medical capability information of nearby merchant vessels in three distress cases-two different ships and one aircraft.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

#### AN/TCC-7 SYSTEM, PT 2, INITIAL ADJUSTMENTS OF CARRIER TELEPHONE TERMINAL

23 min, 16mm film, optical sd, b&w 1958  
Producer USA Agency No. TF11-2896  
Title No. 133742 Sale \$40.50  
Shows the step-by-step procedures for making the initial adjustments on the carrier telephone terminal of the AN/TCC-7 system, including adjustments to the terminal plate voltage and the 600 volt power supply. Illustrates the test circuit, transmit circuit of the order wire panel, signal path of message channels and transmitted line-up frequencies.

#### AN/TPS-25 GROUND SURVEILLANCE RADAR, THE

30 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF08-3251  
Title No. 133750 Sale \$62.50  
Shows features and surveillance capability, modes of operation, application in target identification, automatic search, automatic range, manual search, manual track audio, and manual track video.

#### AN/TPS-25 GROUND SURVEILLANCE RADAR, THE MOVING TARGET DETECTION

21 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF08-3184  
Title No. 133752 Sale \$44.50  
Features audio returns picked up by AN/TPS-25 from walking personnel, light and heavy wheeled vehicle, vehicle dispersion maneuver, tracked vehicle, and tanks.

#### ANALYSIS OF NUCLEON - NUCLEON SCATTERING EXPERIMENTS

50 min, 16mm film, optical sd, col 1961  
Producer USAEC  
Title No. 001227 Sale: W/DRAWN  
Attempts to give an overall picture of the route followed in passing from single-, double-, and triple-scattering experiments to a unique description of the scattering matrix in terms of phase shifts. Although the formal mathematics introduced is kept to a minimum, it presupposes that the student knows what a wave function, and what is meant by a quantummechanical state.

#### **ANATOMIC LANDMARKS IN PANOREX RADIOPHGRAPHY**

12 min, 16mm film, optical sd, col

Producer USVA

Title No. 134150

Agency No. D-17-R

Sale: W/DRAWN

Relates the anatomical structures of the maxilla and mandible to the radiolucencies and radioopacities seen in the panorex radiograph. Provides knowledge of the normal anatomy essential for interpretation of the of the panoramic radiograph.

#### **ANATOMIC LANDMARKS IN PANOREX RADIOPHGRAPHY (REV ED)**

17 min, 16mm film, optical sd, col

Producer USVA

Title No. 134152

Agency No. D-017

Sale \$54.00

Relates the anatomical structures of the maxilla and mandible to the radiolucencies and radioopacities seen in the panorex radiograph. Points out that the complexity of the panoramic radiograph requires knowledge of anatomy for interpretation.

#### **ANATOMY OF A TRIUMPH**

30 min, 16mm film, optical sd, col

1970

Producer USGSA

Title No. 134444

Rental \$12.50 Sale \$121.25

Documents man's attempts to fly--from the Wright Brothers' Kitty Hawk flight to the Apollo 11 walk on the Moon. Contains footage of the Wright Brothers, Lindbergh, Rickenbacker, Goddard, Von Braun, Hitler, astronauts in the Mercury, Gemini, and Apollo programs and Yuri Gagarin's epic voyage into space.

#### **ANATOMY OF AGGRESSION, THE**

29 min, 16mm film, optical sd, b&w

1961

Producer USIA

Title No. 134450

Agency No. AFIF 0108

Rental: W/DRAWN Sale: W/DRAWN

Reviews Communist activities during the past 15 years and emphasizes the conflicts between democracy and totalitarianism.

#### **ANATOMY OF THE HEAD AND NECK - MASSETER AND TEMPORAL MUSCLES**

14 min, 16mm film, optical sd, col

1959

Producer USVA

Title No. 134811

Agency No. D-108

Sale \$55.00

Portrays Anatomy of lateral aspect of the head. Deep dissection includes the temporal and masseter areas -illustrating muscles, tissue spaces, associated nerves and vessels.

#### **ANATOMY OF THE HEAD AND NECK - PTERYGOID MUSCLES AND INFRA-PTERYGOID**

17 min, 16mm film, optical sd, col

1969

Producer USVA

Title No. 134813

Agency No. D-109

Sale \$66.75

Illustrates Anatomy of the lateral aspect of head deep to the pterygoid muscles and shows nerves and vessels to the base of the skull.

#### **ANCIENT QUEST, THE**

30 min, 16mm film, optical sd, b&w

1966

Producer USIA

Title No. 135301

Agency No. 01-01470

Rental: W/DRAWN Sale: W/DRAWN

Explores U S progress in desalination.

From the REPORT FROM AMERICA series.

#### **AND NOW MIGUEL**

60 min, 16mm film, optical sd, b&w

1953

Producer USIA

Title No. 135800

Agency No. 56-00532

Rental: W/DRAWN Sale: W/DRAWN

The story of an American family in the Southwest who has inherited from Spanish ancestors the traditions of sheep-raising. Portrays family relationships and the fulfillment of young Miguel's dream of being accepted on equal footing by his father and older brothers. Also called 'Sheepherding in the Southwest.'

#### **AND, OF COURSE, YOU**

13 min, 16mm film, optical sd, col

1968

Producer USIA

Title No. 135801

Agency No. 01-11451

Rental: W/DRAWN Sale: W/DRAWN

Depicts how the common man around the world is affected

by spin-off benefits of the U S space program. Uses motion picture, still photography and animation to show developments in food production, education, communications, navigation, meteorology, resource exploration, mapping and other activities.

#### **ANGIOGRAPHY AS A DIAGNOSTIC PROCEDURE**

90 min, 16mm film, optical sd, b&w 1968

Producer USNMAC Agency No. T-1872-X

Title No. 136601 Sale \$187.00

Illustrates and evaluates indications for applying angiographic procedures to the study of clinical problems in man. (Kinescope)

From the BOSTON MEDICAL REPORTS series

#### **ANGIOGRAPHY, PT 1**

30 min, 16mm film, optical sd, b&w 1966

Producer USNMAC Agency No. T-1855-X

Title No. 136605 Sale \$60.50

Presents the consideration and performance of angiographic techniques which have proved most useful and least hazardous. (Kinescope)

From the BOSTON MEDICAL REPORTS series

#### **ANGIOGRAPHY, PT 2**

30 min, 16mm film, optical sd, b&w 1966

Producer USNMAC Agency No. T-1856-X

Title No. 136607 Sale \$60.50

Discusses the significance of angiographic techniques and the lesions which they delineate. Considers angiography for the diagnosis of disease entities other than primary muscular lesions but which are associated with abnormal vascular patterns. (Kinescope)

From the BOSTON MEDICAL REPORTS series

#### **ANIMAL BITES AND RABIES**

15 min, 16mm film, optical sd, col

Producer USNMAC Agency No. M-2002

Title No. 137150 Sale \$62.25

Stresses the animal bite problem and shows what steps can be taken by the individual and community to reduce the menace. Depicts how physical and psychic trauma of rabies and other diseases can be prevented by controlling animal bites.

#### **ANOTHER DAY OF WAR - THE USAF IN VIETNAM**

14 min, 16mm film, optical sd, col

Producer USAF Agency No. SFP 1639

Title No. 140075 Sale \$48.50

Depicts a typical day in the life of Air Force personnel serving in Southeast Asia. Highlights include air and ground warfare, air rescue, flight line maintenance, civic action program, and food service activities.

CLEARED FOR TV.

#### **ANOTHER VOICE**

10 min, 16mm film, optical sd, col 1969

Producer USSR Agency No. 140080

Title No. 140080 Sale \$41.00

Depicts the rehabilitation of the laryngectomies via esophageal speech.

#### **ANOTHER WAY**

29 min, 16mm film, optical sd, col

Producer USOEO

Title No. 140083 Sale \$80.00

Portrays the intense personal experiences of three job corpsmen in a 10-day election race for corpsmen government at Parks Job Corps Center in California.

#### **\*ANSWER IS UNDERSTANDING, THE**

29 min, 16mm film, optical sd, col 1971

Producer USNIMH

Title No. 140115 Rental \$12.50 Sale \$119.50

Presents a detailed account of current knowledge about narcotics and dangerous drugs. Begins with the legendary highs of 4,000 BC, and ends with the addiction and psychedelic dilemmas of today.

**ANSWER, AN**

28 min, 16mm film, optical sd, col  
Producer USN Agency No. MN09797  
Title No. 141011 Sale \$94.50  
President Kennedy visits the Second Fleet and 2nd Marine Division to view exercises involving air, sea, and amphibious operations.

**ANTENNA MATCHING DEVICES**

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-603  
Title No. 140531 Sale \$52.50  
Discusses feeding of the antenna and impedance matching - discusses feeding with both resonant lines and nonresonant lines. Explains feeding with the coaxial and the twisted pair line. Discusses delta matching, quarterwave stub matching and quarterwave matching transformer. (Kinescope)

**ANTENNAS**

32 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-601  
Title No. 140535 Sale \$66.50  
Defines 'antenna,' and explains the physical construction and the electrical characteristics of a single dipole antenna. Describes half and quarter wave antennas. Defines induction fields and radiation fields. (Kinescope)

**ANTIBODY SPECIFICITY AND ANTIGEN HETEROGENEITY**

28 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1677  
Title No. 140760 Sale \$58.50  
Discusses theories concerning antibody specificity, blood groupings concepts built around these theories, and the use of this material as a working tool in the clinical laboratory in serology and complement fixation tests. (Kinescope)  
From the CLINICAL PATHOLOGY series.

**ANTICOAGULATION DILEMMA, THE**

29 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1775  
Title No. 140772 Sale \$60.50  
Dr Ebert presents a case in favor of the discriminate use of anticoagulants with myocardial infarction patients. Dr Mason presents a case against their use. (Kinescope)  
From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

**ANTIGEN ANALYSIS BY CELLULOSE CHROMATOGRAPHY AND GEL DIFFUSION OF HYDATID FLUID**

27 min, 16mm film, optical sd, col 1962  
Producer USPHS Agency No. M-0545  
Title No. 000314 Sale \$91.25  
Provides a visual report of a research project on the analysis of antigens in hydatid fluid, demonstrating the techniques of cellulose chromatography and gel diffusion.

**ANYTHING IS POSSIBLE - WITH TRAINING**

14 min, 16mm film, optical sd, col 1970  
Producer USSBA  
Title No. 141045 Rental \$10.00 Sale \$47.00  
Provides examples of successful employee training in a telephone answering service, a boat yard, and a newspaper office. Shows that employee training is essential to business success.

**ANYTIME - ANYTHING - ANYPLACE**

14 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. SFP 634  
Title No. 141038 Rental \$7.50 Sale \$25.50  
Portrays the functions and services of the Military Air Transport service.

**APICALLY REPOSITIONED PARTIAL THICKNESS FLAP TO ELIMINATE PERIODONTAL POCKETS**

15 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-26-PE  
Title No. 114200 Sale \$51.00  
Demonstrates the apically positioned partial thickness flap used to eliminate periodontal pockets that extend apical to the muco-gingival junction. This procedure results in less root exposure postoperatively.

**\* APOLLO - MANNED FLIGHT TO THE MOON**

13 min, 16mm film, optical sd, col 1963  
Producer USNASA Agency No. HQ-88  
Title No. 623400 Sale \$54.25  
Presents the steps that will be taken by NASA to place men on the Moon and return them safely to Earth within this decade. Portrays the complete sequence of events for the manned lunar landing from launch to return.  
THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.

**APOLLO COMMUNICATIONS**

7 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 024  
Title No. 141385 Sale \$39.00  
Shows how Apollo astronauts will communicate with mission control in Houston by telemetry, voice, and television. Reports on how these means of communication will be used in the Apollo mission.  
From the APOLLO DIGEST series.  
CLEARED FOR TV.

**APOLLO MISSION HIGHLIGHTS**

8 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD-02  
Title No. 141374 Sale \$25.50  
Represents short version of ad-1.  
From the APOLLO DIGEST series.  
CLEARED FOR TV.

**OTHER FORMAT(S) OR VERSION(S)**

12 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD-01  
Title No. 141372 Sale \$52.50

**APOLLO RECOVERY**

7 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 028  
Title No. 141390 Sale \$33.25  
A look at the various plans and techniques used for recovery of the Apollo spacecraft. Shows the joint efforts of NASA and department of defense forces in covering primary and secondary recovery zones.  
From the APOLLO DIGEST series.  
CLEARED FOR TV.

**APOLLO 04 MISSION, THE**

16 min, 16mm film, optical sd, col 1968  
Producer USNASA Agency No. HQA 151  
Title No. 141360 Sale \$68.00  
Depicts the preparation, launch and recovery operations of the successful flight of the seven and one-half million pound-thrust Saturn Five vehicle with the Apollo spacecraft. The entire voyage is animated and color photographs from inside the Saturn of the Earth are included.  
CLEARED FOR TV.

**\* APOLLO 07 MISSION HIGHLIGHTS**

14 min, 1/4 in. audiotape, full-track, monaural 1972  
Producer USNASA  
Title No. 001981 Sale \$7.50  
Provides highlights of the flight of astronauts Schirra, Eisele, and Cunningham, October 11-22, 1968.

**\* APOLLO 08 MISSION HIGHLIGHTS**

15 min, 1/4 in. audiotape, full-track, monaural 1972  
Producer USNASA  
Title No. 001982 Sale \$7.50  
Provides highlights of the flight of astronauts Borman, Lovell, and Anders, December 21-27, 1968.

**APOLLO 09 - THE SPACE DUET OF SPIDER AND GUMDROP**

28 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 189  
Title No. 141371 Sale \$117.25  
Shows a pictorial documentary of the Apollo 39 Mission, the first Earth-orbital rendezvous and docking of the Apollo command module (Gumdrop) and the Apollo lunar module (Spider).  
CLEARED FOR TV.

**\*APOLLO 9 MISSION HIGHLIGHTS**

20 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001983 Sale \$7.50  
 Provides highlights of the flight of astronauts MC Divitt, Scott, and Schweickart, March 3-13, 1969.

**APOLLO 10 - GREEN LIGHT FOR A LUNAR LANDING**

29 min, 16mm film, optical sd, col 1969  
 Producer USNASA Agency No. HQ 190  
 Title No. 141369 Sale \$121.25  
 Shows highlights of the second lunar-orbital mission by astronauts Stafford, Cernan and Young, May 1969, including descent of the lunar module within nine miles of the lunar surface. Features views of the lunar features and the Earth from space.  
 CLEARED FOR TV.

**\*APOLLO 10 MISSION HIGHLIGHTS**

33 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001984 Sale \$7.50  
 Provides highlights of the flight of astronauts Stafford, Young, and Cernan, May 18-26, 1969.

**\*APOLLO 11 MISSION HIGHLIGHTS**

57 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001985 Sale \$7.50  
 Provides highlights of the Moon-landing mission of astronauts Armstrong, Collins, and Aldrin, July 16-24, 1969.

**APOLLO 12 - PINPOINT FOR SCIENCE**

28 min, 16mm film, optical sd, col 1969  
 Producer USNASA Agency No. HQ 197  
 Title No. 141375 Sale \$121.25  
 Describes the second lunar landing with emphasis on scientific investigation and landing accuracy.  
 CLEARED FOR TV.

**\*APOLLO 12 MISSION HIGHLIGHTS**

41 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 005287 Sale \$7.50  
 Provides highlights of the Moon-landing mission of astronauts Conrad, Gordon, and Bean, November 14-24, 1969.

**APOLLO 13 - HOUSTON, WE'VE GOT A PROBLEM**

29 min, 16mm film, optical sd, col 1970  
 Producer USNASA Agency No. HQ 200  
 Title No. 141380 Sale \$119.50  
 Describes the return flight of the crewmen of the Apollo 13 mission following an explosion on board the service module. Emphasizes the teamwork of mission control and the spacecraft crew as well as worldwide reaction to the crisis.  
 CLEARED FOR TV.

**\*APOLLO 13 MISSION HIGHLIGHTS**

34 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001986 Sale \$7.50  
 Provides highlights of the Moon-landing mission of astronauts Lovell, Swigert, and Haise, April 11-17, 1970.

**\*APOLLO 14 MISSION HIGHLIGHTS**

38 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001987 Sale \$7.50  
 Provides highlights of the Moon-landing mission of astronauts Shepard, Roosa, and Mitchell, January 31-February 9, 1971.

**\*APOLLO 15 - IN THE MOUNTAINS OF THE MOON**

28 min, 16mm film, optical sd, col 1971  
 Producer USNASA Agency No. HQ 217  
 Title No. 141300 Sale \$117.25  
 Tells the story of the most ambitious and successful lunar landing mission to date. Includes details of the three lunar surface scientific expeditions, the experiments in lunar orbit and the dramatic return to Earth.

**\*APOLLO 15 MISSION HIGHLIGHTS**

35 min, 1/4 in. audiotape, full-track, monaural 1972  
 Producer USNASA  
 Title No. 001988 Sale \$7.50  
 Provides highlights of the Moon-landing mission of astronauts Scott, Worden, and Irwin, July 26-August 7, 1971.

**\*APOLLO 16 - NOTHING SO HIDDEN**

28 min, 16mm film, optical sd, col 1972  
 Producer USNASA Agency No. HQ 222  
 Title No. 001989 Sale \$119.50  
 Presents a documentary account of the Apollo 16 lunar landing mission, and exploration in the highland region of the Moon, near the Crater Descartes. Through the use of cinema verite techniques, the real time anxieties and lighter moments of the support teams were captured in mission control and the science support room.

**\*APOLLO 17 - ON THE SHOULDERS OF GIANTS**

29 min, 16mm film, optical sd, col 1973  
 Producer USNASA Agency No. HQ 227  
 Title No. 001992 Sale \$121.25  
 Presents a documentary of the Apollo 17 journey to Taurus-Littrow, the final lunar landing mission. In addition to depicting the major events of the mission, key scientists and space program officials briefly describe the work going on in preparation for the Skylab, the US/USSR link up, and Space Shuttle programs of the future.

**\*APOLLO 17 MISSION HIGHLIGHTS**

34 1/4 in. audiotapes, full-track, monaural 1973  
 Producer USNASA  
 Title No. 001990 Sale \$7.50  
 Shows how the Lunar Rover III rolls on the Moon surface for the first time, including highlights of the flight of astronauts Cernan, Schmitt, and Evans, December, 1972 from launching through post-recovery activities, with emphasis on initial exploration of the lunar surface.

**APPLICATION OF PASCAL'S LAW, PT 1**

13 min, 16mm film, optical sd, b&w 1943  
 Producer USN Agency No. MN01730C  
 Title No. 141600 Rental \$7.50 Sale \$23.75  
 Reviews Pascal's law and demonstrates its application in the operation of a hydraulic system.  
 From the ELEMENTARY HYDRAULICS series.

**APPLICATION OF PASCAL'S LAW, PT 2**

15 min, 16mm film, optical sd, b&w 1943  
 Producer USN Agency No. MN01730D  
 Title No. 141601 Rental \$7.50 Sale \$27.00  
 Demonstrates Pascal's law, using two output pistons. Explains the principles of hydraulic brakes and the hydraulic jack.  
 From the ELEMENTARY HYDRAULICS series.

**APPLICATIONS OF INSULIN AND GROWTH HORMONE AS-SAYS IN CLINICAL MEDICINE**

29 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. T-1675  
 Title No. 141648 Sale \$59.50  
 General principles of radioimmunoassay are described with special reference to insulin and human growth hormone. Special emphasis placed on 'double antibody' variant with its advantages over other variations of the technique. (Kinescope)  
 From the CLINICAL PATHOLOGY series.

**APPRAISING SOILS FOR SOIL ABSORPTION SYSTEMS**

18 min, 16mm film, optical sd, b&w 1953  
 Producer USPHS Agency No. M-50B  
 Title No. 000358 Sale \$32.00  
 Explains the theory of soil absorption, demonstrates characteristics and tests, and discusses the relationship of test findings to the size and construction of the tile absorption field. User should supplement film with current data.  
 From the INDIVIDUAL SEWAGE DISPOSAL SYSTEMS series.

**APPRENTICE TRAINING**

30 min, 16mm film, optical sd, b&w 1953  
Producer USIA  
**Title No. 142195 Rental: W/DRAWN Sale: W/DRAWN**  
Illustrates the major features of a planned apprentice training program in the U S construction industry and portrays the steps in advancing through apprenticeship to journeyman status in the bricklaying trade.

**APPROACH TO PERIPHERAL VASCULAR DISEASE, AN**

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1817-X  
**Title No. 006418 Sale \$81.00**  
Presents a patient with mild arterial insufficiency. Discusses clinical history, physical examination, search for associated conditions, and basic laboratory tests. Describes the selection of patients for arteriography and therapy. Discussed by Louis Weinstein MD, Tufts University School of Medicine. (Kinescope)  
From the *BOSTON MEDICAL REPORTS* series.

**APPROACH TO UNDERSTANDING DYNAMICS, AN**

34 min, 16mm film, optical sd, b&w  
Producer USVA  
**Title No. 142249 Sale \$58.75**  
Depicts an interview between a patient and a psychiatrist. Analyzes the dynamics of the interview, and explains the patient's reactions to certain experiences and the meaning of these reactions to the psychiatrist.

**\*ARABIC - LEVENTINE, INTRODUCTION TO PRONUNCIATION**

10 audiotape cassettes, 2-track, monaural  
Producer USFSI  
**Title No. 004034 Sale \$32.50**  
Cassettes and accompanying text are both available for \$33.50.

## OTHER FORMAT(S) or VERSION(S)

19 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
**Title No. 004035 Sale \$53.00**  
Tape set and accompanying text are both available for \$54.00.

**\*ARABIC - MODERN WRITTEN**

24 audiotape cassettes, 2-track, monaural  
Producer USFSI  
**Title No. 004036 Sale \$78.00**  
Cassettes and accompanying text are both available for \$81.75.

## OTHER FORMAT(S) or VERSION(S)

48 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
**Title No. 004037 Sale \$134.25**  
Tape set and accompanying text are both available for \$138.00.

**ARCHITECTS OF PEACE**

23 min, 16mm film, optical sd, b&w  
Producer USDOD Agency No. AFIF 0109  
**Title No. 143415 Sale \$40.50**  
Describes the vital role of the Department of State in the area of international diplomacy, including the organization, scope, and operations of the Department and the training and responsibilities of foreign service officers in this country and in embassies around the world. Concludes with a statement by Dean Rusk, Secretary of State.

**ARCHITECTURE, U.S.A.**

13 min, 16mm film, optical sd, col 1965  
Producer USIA Agency No. 01-02633  
**Title No. 143615 Rental: W/DRAWN Sale: W/DRAWN**  
Using an original music score and no narration, presents an impressionistic view of U.S. architecture which reflects America's cultural life. Includes educational and religious institutions, cultural centers, and the skyscraper, America's space-saving structure with service centers and pretentious living areas.

**\*ARCHIVES, THE**

13 min, 16mm film, optical sd, b&w  
Producer USNARS  
**Title No. 143625 Sale: W/DRAWN**

**ARCTIC AIRLIFT**

11 min, 16mm film, optical sd, col 1959  
Producer USAF Agency No. SFP 0619  
**Title No. 143640 Rental: \$7.50 Sale: \$37.25**  
Depicts the training necessary to keep the Military Air Transport Service (MATS) planes and crews geared to their wartime airlift mission in support of Strategic Air Command activities in the arctic. Shows how MATS conducts this training.  
Cleared for TV.

**ARCTIC FIRE PROTECTION**

16 min, 16mm film, optical sd, col 1965  
Producer USAF Agency No. TF 5742  
**Title No. 143710 Rental: \$10.00 Sale: \$55.00**  
Portrays Alaskan Air Command's fire protection program and calls attention to the many problems encountered because of the sub-zero temperatures. Illustrates maintenance, care, operation and use of specialized fire fighting equipment. Points out that AAC's (Alaskan Air Command's) fire protection of air bases of early warning sites is vital to our national security. Cleared for TV.

**ARCTIC SHIPPING - MATS ARCTIC OPERATIONS**

25 min, 16mm film, optical sd, col  
Producer USN Agency No. MNO8647-B  
**Title No. 143901 Sale: \$84.75**  
Describes the major problems encountered during arctic sea lifts for the resupply of weather stations and military bases and for the construction of dewline sites. Includes discussion of aerial reconnaissance, hydrographic surveys, outfitting and preparation of ships, cargo operations, training of crews, good seamanship, and preparation for wintering in.

**ARE DRUGS THE ANSWER**

20 min, 16mm film, optical sd, col 1972  
Producer USNIMH  
**Title No. 144130 Rental: \$10.00 Sale: \$96.25**  
Discusses the nature and harmful effects of various kinds of drugs, such as the psychedelics, speed and marijuana. Dr Alan Cohen, a former disciple of Timothy Leary and now a crusader against drug abuse, tells why he turned away from the drug scene.

**\*AREA NAVIGATION**

25 min, 16mm film, optical sd, col 1970  
Producer USFAA Agency No. FA-02-70  
**Title No. 001993 Sale: \$97.75**  
Produces the FAA's own air traffic and airway planning personnel. General aviation pilots might find it useful in better understanding the area navigation concept and particularly its advantages in helping expedite air traffic control.

**AREA POISONING (REV ED)**

9 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1-F2  
**Title No. 144500 Sale: \$15.75**  
Discusses the uses of such rodenticides as red squill, antu, arsenic trioxide, 1080 water, and warfarin.  
From the *RODENT CONTROL* series. No. 7

**ARGONNE FAST SOURCE REACTOR**

9 min, 16mm film, optical sd, col 1960  
Producer USAEC  
**Title No. 001228 Sale: \$32.00**  
Explains that the fast source is a laboratory source of neutrons-not an experimental reactor-with a power level of 1000 watts. Describes the reactor assembly and its usefulness as a readily available source of neutrons in a wide range of flux levels and flux spectra.

**ARIEL - THE FIRST INTERNATIONAL SATELLITE**

13 min, 16mm film, optical sd, col 1963  
Producer USNASA Agency No. HQ 058  
**Title No. 144850 Sale: \$58.25**  
Describes the Sun's effects on Earth's ionosphere and how

this in turn affects radio transmission. International co-operation in space investigation is illustrated.  
Cleared for TV.

\*ARMEL 2

27 min, 16mm film, optical sd, col 1962  
Producer USNASA Agency No. HQA 115  
Title No. 144900 Sale \$109.50  
Explains the development of the second international satellite and its placement into orbit by American and United Kingdom scientists in an effort to gain new knowledge about the structure of the universe.

ARMOUR RESEARCH REACTOR

17 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001230 Sale \$74.25  
Shows the design, fabrication, and operation of the first private nuclear energy reactor designed specifically for industrial research—the 50,000-watt solution type reactor built by Atomics International for the Armour Research Foundation, Chicago.

ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 1,  
PRINCIPLES OF OPERATION

13 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF46-2985  
Title No. 145680 Sale \$23.75  
Explains the theory of operation of gas turbine engines. Uses animated drawings and the T53 engine to demonstrate the basic principles on which gas turbines operate, showing how the components work as the air fuel flows pass through the engine.

ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 2,  
CONTROLS AND INSTRUMENTATION

14 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF46-2986  
Title No. 145681 Sale \$25.50  
Describes the controls and instrumentation characteristic of Army aircraft equipped with gas turbine engines, using HU-1 (Iroquois) as a representative type for demonstration. Gives particular attention to gas compressor tachometer, exhaust gas temperature indicator, torque meter, fuel supply controls, and engine controls. Demonstrates the starting technique for turbine power aircraft.

ARMY AIRCRAFT GAS TURBINE ENGINE OPERATION, PT 3,  
CONSTRUCTION AND OPERATION OF THE T-53

15 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF46-2981  
Title No. 145682 Sale \$27.00  
Describes the basic construction and operation of the T-53 gas turbine engine, including the four major sections of the engine and the four major accessory systems—fuel, anti-icing, electrical, and lubrication. Uses a cutaway of the engine to review the sequence of operation of the T-53.

ARMY EFFECTIVE WRITING, PT 1, SHORTNESS

24 min, 16mm film, optical sd, col 1968  
Producer USA Agency No. MF12-5317  
Title No. 145682 Sale \$98.00  
Explains and illustrates the rules for achieving shortness in Army writing.

ARMY EFFECTIVE WRITING, PT 2, SIMPLICITY

21 min, 16mm film, optical sd, col 1968  
Producer USA Agency No. MF12-5318  
Title No. 145683 Sale \$86.00  
Explains and illustrates the rules for achieving simplicity in Army writing.

ARMY EFFECTIVE WRITING, PT 3, STRENGTH

21 min, 16mm film, optical sd, col 1968  
Producer USA Agency No. MF12-5319  
Title No. 145684 Sale \$86.00  
Explains and illustrates the rules for achieving strength in Army writing.

ARMY EFFECTIVE WRITING, PT 4, SINCERITY

25 min, 16mm film, optical sd, col 1968  
Producer USA Agency No. MF12-5320  
Title No. 145685 Sale \$101.75  
Explains how the writer can convey to the reader an attitude of sincere interest, and illustrates rules for achieving sincerity in Army writing.

ARMY PACKAGE POWER REACTOR

26 min, 16mm film, optical sd, col 1957  
Producer USAEC  
Title No. 001229 Sale \$82.50  
Documents the inception, design, construction, initial operation, and dedication of the appr-2, a prototype reactor utilizing components all transportable by air. Animation is used to illustrate its operation.

ARMY RESEARCH AND DEVELOPMENT - FILM REPORT NO.

34 - SEEING THE UNSEEABLE 1969  
30 min, 16mm film, optical sd, col  
Producer USA Agency No. R&D 34  
Title No. 145690 Sale \$121.25  
Describes the role of photo-instrumentation in research and development projects, focusing on the more outstanding devices and systems used in studies related to munitions, ballistics, rocketry, space vehicles, nuclear effects, oceanography, medicine, agriculture and industry.

ARMY RESEARCH AND DEVELOPMENT - PROGRESS REPORT 7

23 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. R&D PR7  
Title No. 145710 Sale \$50.75  
Reports on objectives, scope, and results of the Swamp Fox II tests conducted by the U.S. Army in cooperation with the Panamanian government to evaluate mobility of military vehicles in the tropics.  
Cleared for TV.

ARMY RESEARCH AND DEVELOPMENT - PROGRESS REPORT 8

23 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. R&D PR8  
Title No. 145713 Sale \$48.50  
Describes development and application of two new radio systems, AN/VRC 12 and AN/VRC 25, adopted by Army to meet changing tactical requirements.  
Cleared for TV.

ART OF THE REAL, THE

20 min, 16mm film, optical sd, col 1968  
Producer USIA Agency No. 01-11457  
Title No. 147251 Rental: W/DRAWN Sale: W/DRAWN  
Features the 'Art of the Real' exhibit at the Museum of Modern Art at New York City. Suggests that Americans have an alive concern for their culture, a culture which, though controversial, is real and moving, not stagnant. Indicates that the new graphic plastic Art is not just a fad, but rather ahead of its time.

ART SCENE, U.S.A.

17 min, 16mm film, optical sd, col 1966  
Producer USIA Agency No. 01-02684  
Title No. 147321 Rental: W/DRAWN Sale: W/DRAWN  
A look at today's U.S. painters, sculptors and Dancers, such as Wyeth, Warhol, Johns, Lichtenstein, Kienholz, Motherwell, Calder, Pollock, Shahn, Levine, Rivers, Marisol, Martha Graham Dancers, the Once Group (a Happening), Hawkins, Cunningham and the Alwin Nikolais Dancers. Uses minimum narration and is designed to reflect the vitality, experimentation and creativity in tune with a society that encourages art.

ARTHROPOD-BORNE ENCEPHALITIS - ITS EPIDEMIOLOGY AND CONTROL

18 min, 16mm film, optical sd, col 1963  
Producer USMAC Agency No. M-0542  
Title No. 147525 Sale \$61.75  
Shows clinical signs of encephalitis in humans and horses, epidemiology of the encephalitides, including collection of

mosquitoes and birds. Also laboratory techniques for studying encephalitis viruses. Demonstrates techniques of control.

#### ARTICULATORY MOVEMENTS IN THE PRODUCTION OF ENGLISH SPEECH SOUNDS, PT I, CONSONANTS

25 min, 16mm film, optical sd, col

Producer USVA

Title No. 147560

Sale \$84.75

Through live-action photography of the movements of the laryngeal and articulatory structures, illustrate the production of vowels and their movements with glide sounds. Shows the importance or resonance as a factor in speech intelligibility through samples of connected speech.

#### \*ARTIFICIAL RESPIRATION (REV ED)

16 min, 16mm film, optical sd, col

1973

Producer USDHEW

Title No. 001994

Agency No. M-798

Sale \$47.00

Teaches the individual how to take care of many of his medical and health needs in time of disaster when medical assistance might not be readily available.

From the MEDICAL SELF HELP series.

REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, 2000 BELMONT ROAD, WEST HYATTSVILLE, MARYLAND 20762. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO NAC.

#### ARTIFICIAL TRANSMISSION LINES

30 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK 30-901

Title No. 147971

Sale \$62.50

Introduces the artificial transmission line as a device to delay a signal. Identifies the various signals used in ATL's. Develops the charge and discharge paths of the capacitors and inductors in a multi-section artificial transmission line, and concludes by showing how the artificial transmission line can be used as a pulse-forming network in a simple pulse modulator. (Kinescope)

#### ARTS OF JAPAN

30 min, 16mm film, optical sd, b&w

1954

Producer USIA

Title No. 148698

Rental: W/DRAWN Sale: W/DRAWN

Features a young artist and ex-soldier in Japan learning about the ISE Shrine, NOH Drama, Kyoto Katsura palace and gardens, Kabuki, the tea ceremony, and modern art in woodblock, clay and oil. He visits with several leading Japanese artists and philosophers.

#### ASEPTIC PROCEDURE IN ORAL SURGERY

18 min, 16mm film, optical sd, col

1955

Producer USN

Title No. 149214

Agency No. MN07930

Sale: W/DRAWN

Defines and shows minimum standards of aseptic procedure in minor oral surgery. Explains the duties of the staff in the aseptic procedure, and shows that the procedure is primarily sterilization plus maintenance of aseptic conditions.

NOT CLEARED FOR TV.

#### ASIAN ARTISTS IN CRYSTAL

17 min, 16mm film, optical sd, b&w

1956

Producer USIA

Title No. 149401

Agency No. 01-02307

Rental: W/DRAWN Sale: W/DRAWN Shows the Steuben Glass Company 1956 exhibit which includes 36 pieces of American crystal designed and engraved from original drawings by leading contemporary Asian and Middle Eastern artists. Describes folklore, religious traditions and local customs depicted in the engravings. Filmed at the National Gallery of Art in Washington, D.C. and the Metropolitan Museum of Art in New York City.

#### ASIATIC SCHISTOSOMIASIS

23 min, 16mm film, optical sd, col

1946

Producer USN

Title No. 149425

Agency No. MN05028

Sale \$74.75

Explains the cause and effects of schistosomiasis, and demonstrates preventive and control measures.

#### ASSEMBLING APOLLO

6 min, 16mm film, optical sd, col

1969

Producer USNASA

Agency No. AD 019

Title No. 149624

Sale \$27.25

Shows the complex techniques developed for assembling the various stages and components of the Apollo-Saturn vehicle. Includes assembly scenes inside the vehicle assembly building.

From the APOLLO DIGEST series.

CLEARED FOR TV.

#### ASSEMBLING IN A JIG - DRILLING AND RIVETING

21 min, 16mm film, optical sd, b&w

1943

Producer USOE

Agency No. OE 137

Title No. 149650

Rental \$7.50 Sale \$37.00

Shows drilling, burring, dimpling, and riveting an aircraft sheet metal assembly.

From the AIRCRAFT WORK series. Assembling and Riveting, No. 2

#### ASSEMBLING IN A JIG - FITTING AND LINING UP

16 min, 16mm film, optical sd, b&w

1943

Producer USOE

Agency No. OE 136

Title No. 149652

Rental \$7.50 Sale \$28.50

Tells how aircraft sheet metal parts are assembled in a precision assembly jig. Describes how to use an awl for lining up, use skin fasteners, and correct misaligned holes.

From the AIRCRAFT WORK series. Assembling and Riveting, No. 1

#### ASSESSMENT OF FAT DIGESTION

33 2x2 slides, 1/4 in. audiotape, col

1969

Producer USNMAC

Agency No. S-1732-X

Title No. 001972

Sale \$9.00

Shows chemical and physical events in fat digestion.

From the FAT ABSORPTION IN HEALTH AND DISEASE series.

SUGGESTED FOR PROFESSIONAL GROUPS ONLY.

#### ASSIGNMENT - SHOOT THE MOON

28 min, 16mm film, optical sd, col

1967

Producer USNASA

Agency No. HQ 167

Title No. 149925

Sale \$105.50

Summarizes what we have learned about the Moon through Ranger, Surveyor and Lunar Orbiter photography, and how this new knowledge contributes to manned flight to the Moon.

CLEARED FOR TV.

#### ASSIGNMENT - WEIGHTS AND MEASURES

18 min, 16mm film, optical sd, col

1957

Producer USNBS

Title No. 149997

Sale \$61.75

Describes the importance of weights and measures to the average American family. Shows the experiences of an elementary school boy as he completes an assignment concerning commercial weights and measures.

#### ASTABLE MULTIVIBRATOR - TSTR

40 min, 16mm film, optical sd, b&w

Agency No. TVK 30-809B

Title No. 150195

Sale \$82.50

Deals with the transistor astable multivibrator.

#### ASTRONAUT TRAINING

8 min, 16mm film, optical sd, col

1969

Producer USNASA

Agency No. AD 004

Title No. 004533

Sale \$33.25

Apollo astronauts are shown preparing for flight during various training programs--in the classroom, in observatories and geological surveys, underwater and in various simulators. From the APOLLO DIGEST series.

#### ASTRONOMICAL TRIANGLE, THE

37 min, 16mm film, optical sd, b&w

1942

Producer USN

Agency No. MNG0083D

Title No. 150201

Sale \$63.50

Explains how the astronomical triangle is formed, and its use in determining the position of ships on the Earth's surface. From the NAVIGATION series.

**\*AT HOME WITH WOOD**

12 min, 16mm film, optical sd, b&w 1959  
 Producer USDA Agency No. 1285-2  
 Title No. 150323 Sale \$56.00  
 Discusses the merits of wood in home construction. Surveys the variety of wood types, paints and preservatives available.

**AT THE CROSSROADS**

12 min, 16mm film, optical sd, col 1968  
 Producer USNMAC Agency No. M-1602-X  
 Title No. 150451 Sale \$42.00  
 Narrated by E G Marshall. Probes the problems most U S communities face in making adequate health care accessible to all its citizens.

**OTHER FORMAT(S) OR VERSION(S)**

28 min, 16mm film, optical sd, col 1968  
 Producer USNMAC Agency No. M-1601-X  
 Title No. 150450 Sale \$94.50

**\*AT THIS VERY MOMENT**

29 min, 16mm film, optical sd, col 1972  
 Producer USN Agency No. MN-10501  
 Title No. 001995 Sale \$115.50  
 Describes the Navy at various points around the world, carrying out the policies of the United States, performing such civic programs as playing host to orphan groups, training programs, etc.

**ATMOSPHERIC STABILITY AND INSTABILITY EXISTING TEMPERATURE DISTRIBUTION**

14 min, 16mm film, optical sd, col 1953  
 Producer USN Agency No. MN07894A  
 Title No. 150851 Sale \$48.50  
 Explains the relationship of temperature distribution and stable and unstable air and how this relationship controls the weather. Shows the characteristics of stable and unstable air and how radiosonde signals are plotted.  
 CLEARED FOR TV.

**ATMOSPHERIC STABILITY AND INSTABILITY STABILITY AND THE WEATHER**

8 min, 16mm film, optical sd, col 1953  
 Producer USN Agency No. MN-7894  
 Title No. 001973 Sale \$27.75  
 Explains the existing lapse rate on the RAOB (Radiosonde Observation Chart) and the relationship to stability and instability in the atmosphere. Shows the difference between Adiabatic lapse of moist and dry air.

**ATMOSPHERIC STABILITY AND INSTABILITY THERMAL CONVECTION**

11 min, 16mm film, optical sd, col 1953  
 Producer USN Agency No. MN07894C  
 Title No. 150857 Sale \$37.25  
 Explains the causes of the vertical air currents in the atmosphere and their relationship to changes in the weather.

**ATMOSPHERIC STABILITY AND INSTABILITY - ADIABATIC PROCESS**

14 min, 16mm film, optical sd, col 1953  
 Producer USN Agency No. MN07894B  
 Title No. 150850 Sale \$87.75  
 Explains the adiabatic process by showing what happens when a parcel of dry or moist air is raised or lowered by convection, the relationship of temperature and saturation at different altitudes, and the plotting of temperature and moisture content on the adiabatic chart. Gives a detailed description of orographic lifting.  
 CLEARED FOR TV.

**ATOM AND THE MAN ON THE MOON, THE**

13 min, 16mm film, optical sd, col 1969  
 Producer USAEC  
 Title No. 004139 Sale \$46.50  
 Describes the SNAP-27's role in the Apollo program. SNAP-27 is a highly reliable, radioisotope-fueled thermoelectric generator, that will supply power for a small scientific laboratory to be installed on the lunar surface. Discusses the type of lunar surface information the radioisotope-powered laboratory will send back to Earth.

**ATOM STRIKES, THE**

31 min, 16mm film, optical sd, b&w 1948  
 Producer USA Agency No. MF05-1235  
 Title No. 001434 Sale \$53.50  
 Gives an account of the first experimental atomic bomb blast in New Mexico, aerial views of Hiroshima and Nagasaki bombings, and close-up shots of devastated areas.

**ATOM, THE - YEAR OF PURPOSE**

29 min, 16mm film, optical sd, col 1969  
 Producer USAEC  
 Title No. 151654 Sale \$125.00  
 Describes 17 major developments in the peaceful uses of the atom.

**ATOMIC POWER TODAY - SERVICE WITH SAFETY**

15 min, 16mm film, optical sd, col 1967  
 Producer USAEC  
 Title No. 001459 Sale \$58.75  
 Explains the growing need for electricity and contrasts conventional methods of generating electricity with nuclear technology. Pictures how a nuclear power plant is designed, built, and operated for safe, dependable service. Points out the Atomic Energy Commission's regulatory and licensing procedures in regard to nuclear plants.

**OTHER FORMAT(S) OR VERSION(S)**

29 min, 16mm film, optical sd, col 1966  
 Producer USAEC  
 Title No. 001433 Sale \$97.75

**ATOMIC REVOLUTION IN WOOD**

23 min, 16mm film, optical sd, col 1969  
 Producer USAEC  
 Title No. 153111 Sale \$63.00  
 Tells the story of an important peaceful application of atomic energy--the fusing of wood and plastic by irradiation into a combination-substance which has all the aesthetic appeal of wood, but is improved in hardness, abrasion resistance and durability.

**ATOMIC SEARCH, THE**

29 min, 16mm film, optical sd, col 1970  
 Producer USAEC  
 Title No. 153114 Sale \$125.00  
 Shows important contributions to the peaceful uses of nuclear energy such as--nuclear chemistry to investigate the composition of lunar rocks, plutonium to provide heat for the seismometer on the Moon, an isotopic nuclear generator for weather satellites, and the first in a series of tests with dogs of a nuclear-fueled cardiac pacemaker.

**ATOMIC TESTS IN NEVADA**

25 min, 16mm film, optical sd, col 1955  
 Producer USAEC  
 Title No. 001435 Sale \$105.00  
 Describes the testing of Atomic weapons at the Atomic Energy Commission's Nevada test site, with emphasis on measures to protect the public.

**ATOMIC WEATHERMAN - STRONTIUM-90 ISOTOPIC APPLICATIONS**

19 min, 16mm film, optical sd, col 1961  
 Producer USAEC  
 Title No. 001436 Sale \$107.00  
 Describes the world's first radioisotope-powered weather station, which is operating unattended at a remote site in the Canadian arctic. Explains that the 'atomic' weather station is powered by a thermoelectric unit in which the heat from the decay of SR-90 is directly converted into electricity.

**ATOMS FOR PEACE - GENEVA, 1955**

15 min, 16mm film, optical sd, b&w 1959  
 Producer USAEC  
 Title No. 004673 Sale: W/DRAWN  
 Reports on United States participation in the Second International Conference on the Peaceful Uses of Atomic Energy.

**ATOMS FOR PEACE, PT 1, INTRODUCING THE ATOM**

20 min, 16mm film, optical sd, b&w 1955  
**Producer USIA** Agency No. 05-12168  
**Title No. 153625** Rental: W/DRAWN Sale: W/DRAWN  
 Provides a basic explanation of atomic energy. Includes animated sequences which show the make-up and functioning of the atom, and formation and control of chain reaction. Depicts the atomic pile at Los Alamos and radioisotope preparation and storage at Oak Ridge.

**ATOMS FOR PEACE, PT 2, MEDICINE**

20 min, 16mm film, optical sd, b&w 1955  
**Producer USIA** Agency No. 05-12168  
**Title No. 153626** Rental: W/DRAWN Sale: W/DRAWN  
 Concentrates on present and potential uses of atomic materials in diagnosis and treatment of such ills as cancer, hyperthyroidism and arterio-sclerosis. Includes a dramatic sequence of a brain tumor patient.

**ATOMS FOR PEACE, PT 3, AGRICULTURE, INDUSTRY AND POWER**

20 min, 16mm film, optical sd, b&w 1955  
**Producer USIA** Agency No. 05-12168  
**Title No. 153627** Rental: W/DRAWN Sale: W/DRAWN  
 Covers research in uses of radioactive materials in agriculture, industrial production and power development, showing tangible results and stressing the potential for improving world economic standards.

**ATOMS FOR PEACE, PT 4, SCIENTIFIC ADVANCEMENT**

20 min, 16mm film, optical sd, b&w 1956  
**Producer USIA** Agency No. 05-12168  
**Title No. 153628** Rental: W/DRAWN Sale: W/DRAWN  
 Deals with atomic electric power, atomic irradiation for food production and preservation, and the use of isotopes in manufacturing, road building, and treatment of cancer and heart disease.

**ATOMS FOR PEACE, PT 5, WORKING TOGETHER**

20 min, 16mm film, optical sd, b&w 1957  
**Producer USIA** Agency No. 05-12168  
**Title No. 153629** Rental: W/DRAWN Sale: W/DRAWN  
 Tells the story of regional and international cooperation among scientists and governments in the development of peaceful uses of atomic energy.

**ATOMS FOR PEACE, PT 6, TRAINING MEN FOR THE ATOMIC AGE**

20 min, 16mm film, optical sd, b&w 1957  
**Producer USIA** Agency No. 05-12168  
**Title No. 153630** Rental: W/DRAWN Sale: W/DRAWN  
 Documents training programs in nuclear physics for foreign scientists sponsored by the U S Atomic Energy Commission. Covers activities at University of North Carolina, University of Pennsylvania, Oak Ridge, Tennessee, LA Grange, Illinois and Shippingport, Pennsylvania.

**ATOMS FOR PEACE, PT 7, ATOMIC POWER AND THE U.S.**

30 min, 16mm film, optical sd, b&w 1957  
**Producer USIA** Agency No. 05-12168  
**Title No. 153631** Sale: W/DRAWN  
 Describes five types of nuclear reactors designed by U S government laboratories and American industries--ERB-1, SRE, PWR, HRE and EBWR. Points out that benefits of U S research are available to other countries through international agreement.

**ATOMS FOR SPACE**

28 min, 16mm film, optical sd, col 1962  
**Producer USAEC**  
**Title No. 004517** Sale: W/DRAWN  
 Describes the development and use of compact nuclear power sources for space under the Commission SNAP program. Features the first use of atomic power in the nation's space effort, and reports briefly on the uses of SNAP devices on land and sea.

**ATOMS FOR THE AMERICAS**

28 min, 16mm film, optical sd, col 1963  
**Producer USAEC**  
**Title No. 001437** Sale \$94.50  
 Provides a semi-technical study of the Puerto Rico nuclear center, its curriculum and research program. Discusses courses in the fields of biology, chemistry, medicine, nuclear engineering and technology, health physics, agriculture, and marine biology.

**ATOMS IN THE MARKETPLACE**

28 min, 16mm film, optical sd, col 1968  
**Producer USAEC**  
**Title No. 001438** Sale \$94.50  
 Deals with the economic nature and significance of strategic nuclear materials with their importance to commerce, to our nation and to the nations of the world.

**ATOMS ON THE FARM**

12 min, 16mm film, optical sd, col 1961  
**Producer USAEC**  
**Title No. 001439** Sale: W/DRAWN  
 Shows the Atomic Energy Commission exhibit on atomic energy in agriculture at the first world agricultural fair, held in New Delhi during the winter of 1959/1960. Shows scenes of the research reactor, masterslave manipulator, the gamma pool, the technical information center, and exhibits featuring radioactive tracers in agricultural research, plant mutations by gamma irradiation, Atomic Energy work in medicine, screwworm fly eradication, and food sterilization by irradiation.

**ATOMS ON THE MOVE - TRANSPORTATION OF RADIOACTIVE MATERIALS**

24 min, 16mm film, optical sd, col 1966  
**Producer USAEC**  
**Title No. 153660** Sale \$81.50  
 Surveys the various means of transporting radioactive materials and the safety aspects underlying their packaging and handling. Shows typical shipments enroute by common carrier. Discusses responsibilities of various federal, state, and local offices.

**ATTACHING AND ALIGNING WINGS**

20 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 258  
**Title No. 001974** Rental: \$12.50 Sale: \$42.25  
 Describes how to inspect, remove and replace a damaged wing. Demonstrates how to attach a new wing, level the airplane and align the wing and inspect the finished job.  
 From the AIRCRAFT WORK series.

**OTHER FORMAT(S) OR VERSION(S)**

45 ft, 35mm filmstrip, silent, b&w 1944  
**Producer USOE** Agency No. OE 258-FS  
**Title No. 001975** Sale: \$1.50

**ATTACK CARRIER - TASK FORCE 1 - SEA ORBIT**

29 min, 16mm film, optical sd, col 1969  
**Producer USN** Agency No. MN10164  
**Title No. 153829** Sale: \$115.50  
 An historical review covering the development of the aircraft carrier from the USS Langley to the USS Enterprise.

**\*AUDIO AID ON OSHA RECORDKEEPING, AN**

18 min, audiotape cassette, 2-track, monaural 1972  
**Producer USOSHA**  
**Title No. 001996** Sale: \$5.00  
 Discusses the Occupational Safety and Health Act itself. Then, using the sample forms as a guide, moves to a detailed explanation of how to recognize and record work-related injuries and illnesses. BIS Report No. 412, 'A Collection of Answers to Commonly Asked Questions About OSHA Recordkeeping', is included as a handy reference guide to answer additional questions. Includes Recordkeeping requirements booklets, and three OSHA forms.

## AUDIO AMPLIFIERS

28 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-415  
Title No. 154100 Sale \$58.50  
Shows how a schematic diagram of a single-ended audio amplifier is drawn. Demonstrates three methods of connecting audio amplifiers in cascade. Based on some symptoms of malfunctions, gives a list of possible troubles, with an analysis of how to locate the trouble. Explains why phase inversion occurs in grounded cathode amplifiers. (Kinescope)

## AUDIO AMPLIFIERS PRINCIPLES, PT 1

21 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-327A  
Title No. 154095 Sale \$44.50  
Illustrates a schematic of an audio amplifier and identifies the biasing components. Traces the current flow through the circuit and compares the phase relationship between the input and output signals. Shows how to calculate the gain of a single stage audio amplifier and gives the effects that different values of components have on gain. (Kinescope)

## AUDIO AMPLIFIERS PRINCIPLES, PT 2

12 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-327B  
Title No. 154097 Sale \$26.75  
Discusses and presents examples of various types of coupling used with audio amplifiers in cascade configuration. Explains the procedures for calculating power gain of a two stage amplifier. Lists symptoms of malfunctions which may occur in an audio amplifier circuit. Identifies and traces the most likely trouble for each on a schematic diagram. (Kinescope)

## \*AUDIO FREQUENCY AMPLIFICATION

25 ft. 35mm filmstrip, silent, b&w 1942  
Producer USN Agency No. SN00652  
Title No. 154109 Sale \$1.50  
Presents the theory and practice of audio amplification.

## AUDIO OSCILLATOR OPERATION

9 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN 1540R  
Title No. 154150 Sale \$15.75  
Explains the operation and use of audio oscillators and shows how to check an amplifier with the audio oscillator and 'A' scope.

## AUDITORY ASSESSMENT

26 min, 16mm film, optical sd, col 1970  
Producer USBEH  
Title No. 154601 Sale \$139.25  
Exhibits techniques of identification and paediatric audiometry currently seen in Denmark, Sweden, England and the Netherlands. This film was designed to be shown sequentially, following 'Developmental Auditory Response Patterns' and preceding 'The Developing AudioVocal System.'  
From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.

## \*AUDITORY FEEDBACK

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003376 Sale \$24.25  
Sold only in a cartridge with multi-sensory input feedback and self monitoring practice. Presents short insights into home and school education of the profound hearing impaired.

## \*AUDITORY TRAINING DISCRIMINATION

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003377 Sale \$26.50  
Sold only in a cartridge with auditory training rhythm, microphone techniques, and teacher talks to me. Presents short insights into home and school education of the profound hearing impaired.

## \*AUDITORY TRAINING RHYTHM

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003378 Sale \$26.50  
Sold only in a cartridge with auditory training discrimination, microphone techniques and teacher talks to me. Presents short insights into home and school education of the profound hearing impaired.

## AUSTRALORBIS GLABRATUS, VECTOR OF SCHISTOSOMA MANSONI

3 min, 16mm film, silent, b&w 1947  
Producer USNMAC Agency No. 4-066  
Title No. 155475 Sale \$6.25  
Illustrates through aquarium scenes the life cycle of australorbis glaberratus, the planorbid snail which is the intermediate host and principal transmitting species in tropical America of schistosoma mansoni.

## \*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 1, STRONGER-TYPE SWITCHING SYSTEMS

26 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF-11-3 '89  
Title No. 001997 Sale \$54.50  
Construction, capabilities, and operation of the 100, 1,000, and 10,000 line systems-basic call pattern and line and equipment-busy situations, associated dial office equipment.

## \*AUTOMATIC TELEPHONE CENTRAL OFFICES, PT 2, XY SWITCHING SYSTEMS

30 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF-11-3090  
Title No. 001998 Sale \$62.50  
Shows organization, components, and operation of 1,000 and 10,000 line xy switching systems-call completion, line-busy, connectors-busy, and linetakers.

## AUTOMATIC VOICE NETWORK - AUTOVON

20 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. MF11-5177  
Title No. 155555 Sale \$42.50  
Describes the features, capability and operation of the Automatic Voice Network (AUTOVON) in the defense communication system.  
Cleared for TV.

## \*AUTOMATION IN CLINICAL CHEMISTRY, PT 1, HOW IT WORKS

20 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. FTA-6-61  
Title No. 003720 Sale \$85.75  
Explains how the autoanalyzer measures and compares on a moving graph the concentration of a given substance in a test solution against a known concentration of the same substance in a standard control solution.

## \*AUTOMATION IN CLINICAL CHEMISTRY, PT 2, ASSEMBLY AND OPERATION OF EQUIPMENT

35 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. FTA-7-61  
Title No. 003721 Sale \$145.00  
Offers some practical details of setting up the autoanalyzer and running it.

## AUTOMOBILE ELECTRICITY FOR MILITARY VEHICLES, PT 2, PRINCIPLES OF OPERATION OF THE GENERATOR

13 min, 16mm film, optical sd, b&w 1957  
Producer USA Agency No. TF09-2330  
Title No. 155880 Sale \$23.75  
Explains the design and operation of the automotive generator. Describes its conversion of electrical energy to feed the ignition and accessory systems and to charge the battery, the relationship between electricity and magnetism, and the construction of a rudimentary generator, including the purpose and operation of segments, brushes, pole pieces and field windings.

<b>AUTOMOBILE TIRE HYDROPLANING - WHAT HAPPENS</b>		
12 min, 16mm film, optical sd, col Producer USNASA Title No. 155899	1967 Agency No. HQ 162 Rental \$7.50 Sale \$54.25	
Shows how and why automobile tires lose contact with wet pavements and the relationship between speed, tire wear, and water depth. The dangers of hydroplaning are emphasized. Produced jointly with the Bureau of Public Roads. <i>CLEARED FOR TV.</i>		
<b>AUTOMOTIVE ELECTRICITY FOR MILITARY VEHICLES, PT 3, PRINCIPLES OF THE STARTING MOTOR</b>		
12 min, 16mm film, optical sd, b&w Producer USA Title No. 001441	1957 Agency No. TF 9-2331 Sale \$22.25	
Shows electrical and magnetic principles involved in the operation of the starting motor. Tells how electrical energy is converted to mechanical energy.		
<b>AUTOMOTIVE ELECTRICITY FOR MILITARY VEHICLES, PT 4, THE IGNITION CIRCUIT</b>		
11 min, 16mm film, optical sd, b&w Producer USA Title No. 001440	1957 Agency No. TF 9-2332 Sale \$22.50	
Defines the purpose and operation of the ignition circuit and describes how each component functions. Combining actual operation with animation, traces the course of electrical current through the components of the ignition system-battery, ignition coil, distributor, breaker points, condenser, rotor, terminals, and spark plugs-and emphasizes the relation of the primary circuit, secondary circuit, and magnetic field to voltage intensity.		
<b>AUTOMOTIVE TROUBLE SHOOTING, PT 2, ENGINE TUNE-UP</b>		
33 min, 16mm film, optical sd, b&w Producer USA Title No. 155961	1956 Agency No. TF09-2194 Sale \$56.75	
Explains the procedures and techniques employed in engine tune-up of wheeled vehicles. Includes manifold vacuum and compression tests, battery and ignition cable checks, spark plug check, distributor and ignition timing check, battery clearance, manifold and heat control valve check, fuel system test, carburetor check, and idling speed and mixture adjustments.		
<b>*AVALANCHE CONTROL</b>		
38 min, 16mm film, optical sd, col Producer USDA Title No. 003922	1965 Agency No. 5334 Sale \$198.00	
Shows the work of prediction and control of avalanches, conducted at the Alta, Utah, control center. It graphically shows the accomplishment of the Forest Service Snow Rangers.		
<b>AWAY BOARDERS</b>		
22 min, 16mm film, optical sd, b&w Producer USN Title No. 156875	1945 Agency No. MN09031 Sale \$38.50	
Presents the story of the U S S Guadalcanal and the capture of the first German submarine in World War II by the commanding officer of that ship.		
<b>*B-52 BOMBING/NAVIGATION SYSTEM, PT 2, COMPUTERS</b>		
29 min, 16mm film, optical sd, col Producer USAF Title No. 002917	1960 Agency No. TF1-5359B Rental \$12.50	
Outlines and illustrates functions of computer equipment in B-52 aircraft. Explains sources of heading information. Includes free gyro, astro-tracking, flux valve and navigation unit. Also covers Doppler velocity, inertial velocity and Doppler malfunctions. Flow of information from sources to the panel is also explained.		
<b>*BACK THE ATTACK ON BRUCELLOSIS</b>		
28 min, 16mm film, optical sd, col Producer USDA Title No. 157825	1958 Agency No. 1320 Sale \$136.00	
Shows how one farmer discovered brucellosis in his herd of cattle, the action that followed and the organization and functioning of a county brucellosis committee. Reviews		
		damage caused by this easily spread disease, its symptoms and plans for its control and eventual eradication. Portrays use of the brucellosis ring test for locating infected herds.
<b>*BACKGROUND TO BERLIN</b>		
30 min, 16mm film, optical sd, b&w Producer NATO Title No. 158000	1963 Sale \$61.25	
Presents the story of Berlin from the end of World War II to the building of the Berlin wall. Traces the origin of Allied rights to Berlin, shows how the city came to be divided, and considers the problem of Berlin in the light of the whole question of German reunification. Explains briefly how the 15 NATO countries have come to be associated with these problems.		
<b>*BAD TRIP, THE</b>		
22 min, audiotape cassette, 2-track, monaural Producer USNIMH Title No. 001999	1972	
Available only as part of a series. A veteran clinic worker and community organizer offers a practical discussion of various approaches to the treatment of young people on 'bummers' - whether the result of drug use or of general psychological stresses.		
From the PROFESSIONAL DRUG TAPE series.		
<b>BAILING OUT</b>		
9 min, 16mm film, optical sd, col Producer USN Title No. 158805	1950 Agency No. MN04353R Sale \$31.00	
Illustrates through cartoons how naval aviators should bail out of aircraft.		
<b>BALANCED MODULATOR AND CRYSTAL FILTERS</b>		
40 min, 16mm film, optical sd, b&w Producer USAF Title No. 159400	1965 Agency No. TVK 30-612 Sale \$82.25	
Gives the requirements for single sideband transmission, a detailed analysis on how the carrier frequency is eliminated in the balanced modulator and how one sideband is eliminated in the crystal filter. Shows a block diagram of a single sideband transmitter, emphasizing the location and function of the balanced modulator. (Kinescope)		
<b>BALLISTIC MISSILE TRAJECTORIES</b>		
13 min, 16mm film, optical sd, col Producer USAF Title No. 160050	1959 Agency No. TF01-5291 Sale \$45.25	
Shows the complexity in computing missile trajectories and discusses some of the factors to be considered, such as Earth's rotation, coriolis force, and variation of linear velocity.		
<i>CLEARED FOR TV.</i>		
<b>BALLOTS THAT FLY</b>		
10 min, 16mm film, optical sd, b&w Producer USDOD Title No. 160200	1964 Agency No. AFIF 0129 Sale \$21.00	
Provides information on how service personnel can apply for an absentee ballot, process the application, and mark and mail the ballot.		
<b>BANDAGING FOR HOSPITAL CORPSMEN</b>		
24 min, 16mm film, silent, b&w Producer USN Title No. 160460	1953 Agency No. MN09319AQ Sale \$42.25	
Seventeen loop films 50 to 00 seconds in length, demonstrate the proper application of various bandages such as head, chest, back, shoulder, ankle, jaw, hip, finger, hand, eyes.		
<i>CLEARED FOR TV.</i>		
<b>BAR WORK - MAGNESIUM, PT 1, SETTING UP BAR MECHANISM AND ROLLER TURNER</b>		
18 min, 16mm film, optical sd, b&w Producer USOE Title No. 160750	1945 Agency No. OE 218 Rental \$7.50 Sale \$32.00	
Tells how to make a rough sizing cut for the roller turner, set the tool in the roller turner for a finish size, set the automatic stops, and control chip condition.		

From the MACHINE SHOP WORK series. Operations on the Turret Lathe, No. 5

**BAR WORK - MAGNESIUM, PT 2, SETTING UP MULTIPLE ROLLER TURNER AND TURNING A TAPER**

17 min, 16mm film, optical sd, b&w 1945

Producer USOE Agency No. OE 217

Title No. 160751 Rental \$7.50 Sale \$30.50

Illustrates how to set up a multiple roller turner, center-drill the work so it can be supported with a center, and set up and operate a carriage taper attachment.

From the MACHINE SHOP WORK series. Operations on the Turret Lathe, No. 6

**BAR WORK - MAGNESIUM, PT 3, NECKING AND THREADING BY USE OF ATTACHMENT AND BY DIE H**

23 min, 16mm film, optical sd, b&w 1945

Producer USOE Agency No. OE 218

Title No. 160752 Rental \$10.00 Sale \$40.50

Shows how to set necking and chamfering tools, how to set and cut three-fourth inch, ten-pitch thread with a tangent die head and how to cut the finished piece.

From the MACHINE SHOP WORK series. Operations on the Turret Lathe, No. 7

**BARS, PUNCHES AND DRIFTS**

15 min, 16mm film, optical sd, b&w 1943

Producer USA Agency No. TF09-2030

Title No. 161100 Sale \$27.00

Explains the specific purposes, correct uses, and common misuses of bars, punches and drifts.

From the CARE AND USE OF HAND TOOLS series. No. 5

**BASE PROCUREMENT**

22 min, 16mm film, optical sd, b&w 1958

Producer USAF Agency No. TF01-5224

Title No. 161315 Sale \$38.50

Describes the functions of a base procurement office, and explains the forms and procedures for obtaining needed supplies through this office and how contracts are negotiated with civilian firms.

**BASIC AUTOPSY PROCEDURE**

51 min, 16mm film, optical sd, col 1961

Producer USA Agency No. PMF 5339

Title No. 161419 Sale \$172.50

Describes the purpose, technique and advantages of the basic autopsy procedure. Explains the preliminary steps taken by the pathologist and the legal requirements for performing an autopsy, demonstrates each step in the basic autopsy procedure, and shows how the pathologist's autopsy notes and finds are presented for review by the medical board.

**BASIC CAMERA, THE**

15 min, 16mm film, optical sd, b&w 1948

Producer USN Agency No. MN05383

Title No. 161450 Sale \$27.00

Describes the types and construction of still-picture cameras. Explains the importance of such sensitive parts as the lens and lens shutters. Provides a brief history of cameras.

From the FUNDAMENTALS OF PHOTOGRAPHY series.

**BASIC CARE OF PATIENTS, PT 1, CLEANING THE PATIENT'S UNIT AND MAKING AN UNOCCUPIED BED**

15 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2471

Title No. 161458 Sale \$27.00

Shows stripping bed of soiled linen-cleaning bed, chair, and bedside cabinet-making bed with clean linen-final straightening of the unit.

**BASIC CARE OF PATIENTS, PT 2, THE BED BATH**

22 min, 16mm film, optical sd, b&w 1964

Producer USA Agency No. TF08-3387

Title No. 161457 Sale \$38.50

Value of bed bath for patient, equipment and preparation for bath. Shows steps in giving the bath, and after bath care.

**BASIC CARE OF PATIENTS, PT 3, MAKING AN OCCUPIED BED**

17 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2473

Title No. 161460 Sale \$30.50

Shows positioning the patient-sequence and technique for removing foundation linen, draw sheets, top sheets and pillow cases and replacing them with clean counterparts.

**BASIC CARE OF PATIENTS, PT 4, PHYSICAL COMFORTS**

11 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2474

Title No. 161461 Sale \$19.25

Shows mouth care of conscious and unconscious patients and changing position of patients in bed using helpful appliances.

**BASIC CARE OF PATIENTS, PT 5, FEEDING THE PATIENT**

8 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2475

Title No. 161464 Sale \$14.25

Shows how corpsman prepares patient for meals, serves trays, assists semi-helpless and postoperative patients, and feeds helpless patients.

**BASIC CARE OF PATIENTS, PT 6, THE ENEMA**

10 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2476

Title No. 161463 Sale \$17.50

Depicts the proper way to administer a cleansing enema, the preparation of equipment and solution, preparation of the patient, administration of the enema, after-care of the patient and equipment, and the observation of results.

**BASIC CARE OF PATIENTS, PT 7, STERILE TECHNIQUE**

13 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2477

Title No. 161462 Sale \$23.75

Shows sterilizing equipment with moist heat, dry heat, and chemicals-handling sterile equipment-care of equipment when not in use-keeping area being treated sterile.

**BASIC CARE OF PATIENTS, PT 8, PREOPERATIVE CARE**

9 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2478

Title No. 161465 Sale \$15.75

Shows mental and physical care given the patient before surgery,duties of each member of the medical team, and stresses importance of allaying patient's fears.

**BASIC CARE OF PATIENTS, PT 9, POSTOPERATIVE CARE**

12 min, 16mm film, optical sd, b&w 1957

Producer USA Agency No. TF08-2479

Title No. 161466 Sale \$22.50

Shows preparation of bed and unit, transfer of unconscious patient to his bed, and care during unconscious state and as he regains consciousness.

**BASIC CIRCUIT SYMBOLS AND COMPONENTS**

32 min, 16mm film, optical sd, b&w 1965

Producer USAF Agency No. TVK 30-110A

Title No. 161490 Sale \$66.50

Describes and illustrates the three requirements for a practical electrical circuit. Shows a schematic diagram of a simple circuit with symbols used to represent the electrical components and measuring instruments. Explains what electrical ground is and how it is used. Gives the function of a fuse and switch in a circuit. Gives the use, symbol and description of various electrical measuring instruments. Finally, shows examples of circuit schematic diagrams, each containing different combinations of components which can be used. (Kinescope)

**BASIC CIRCUIT SYMBOLS AND COMPONENTS BATTERY CIRCUITS**

23 min, 16mm film, optical sd, b&w

Producer USAF Agency No. TVK 30-110B

Title No. 161492 Sale \$48.75

Demonstrates the method of connecting batteries in series to obtain an increase in voltage. Explains why the voltage is increased and shows how to calculate the amount of voltage.

Then describes how to connect batteries in parallel to obtain an increase in current, why current is increased, and how to calculate the amount of current. Shows the method of connecting batteries in combinations of series-parallel. Illustrates schematic representations of each combination, and explains the method of calculating the total voltage and current for each combination. (Kinescope)

#### BASIC DC METER MOVEMENT

3 min. 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN08016E  
 Title No. 161500 Sale \$6.75  
 Shows a representative meter, describes its essential components, and explains its functions.

#### BASIC ELECTRICITY

19 min. 16mm film, optical sd, col 1948  
 Producer USAF Agency No. TF01-4144  
 Title No. 161550 Sale \$65.00  
 An animated cartoon explaining such terms as voltage, current resistance, voltage drop, direct and alternating current, magnetic fields, induction, series and parallel circuits.

#### BASIC ELECTRICITY - AC PARALLEL CIRCUITS

4 min. 16mm film, optical sd, b&w 1958  
 Producer USN Agency No. MN08018D  
 Title No. 161580 Rental \$5.00 Sale \$11.50  
 Shows the elements of an AC parallel circuit, examines the effects of current, and shows what the generator sees in the following circuits, where  $XL$  exceeds  $XC$ ,  $XC$  exceeds  $XL$ , and  $XC$  and  $XL$  are equal.

#### BASIC ELECTRICITY - AC SERIES CIRCUITS

5 min. 16mm film, optical sd, b&w 1958  
 Producer USN Agency No. MN08018C  
 Title No. 161570 Sale \$9.75  
 Shows the elements of an AC series circuit. Demonstrates, by sine waves and circuits, the effects upon and phase relationships between current and voltage. Using an LACR circuit, examines the effects of voltage and shows what the generator sees when  $XL$  exceeds  $XC$  and when  $XC$  exceeds  $XL$ . Demonstrates also a series resonant circuit using a LCR circuit where  $XC$  and  $XL$  are equal.

#### BASIC ELECTRICITY - CAPACITANCE IN AC CIRCUITS

5 min. 16mm film, optical sd, b&w 1958  
 Producer USN Agency No. MN08018B  
 Title No. 161560 Sale \$12.25  
 Defines capacitance and demonstrates how a capacitor works, explains capacitive reactance and its effects in an AC circuit, the factors that affect capacitive reactance, and the effect of capacitance in an AC circuit.

#### BASIC ELECTRICITY - INDUCTANCE IN AC CIRCUITS

7 min. 16mm film, optical sd, b&w 1959  
 Producer USN Agency No. MN08018A  
 Title No. 161555 Sale \$12.50  
 Defines inductance and explains its cause and effect in an AC circuit. Illustrates inductive reactance, the factors that affect inductive reactance in an AC circuit, and the phase relationship between current and voltages as a result of the presence of inductance in the circuit.

#### BA.500: EPIDEMIOLOGIC AND CLINICOPATHOLOGIC ASPECTS 1/2: MALARIA

30 min. 16mm film, optical sd, b&w 1968  
 Producer USNMAC Agency No. T-1498  
 Title No. 161770 Sale \$62.50  
 Presents human malaria parasites and their geographic distribution. The history and derivation of malaria is also given, and the life cycle illustrated in detail. Signs and symptoms are discussed as well as complications, diagnosis and management. (Kinescope)  
 From the CLINICAL PATHOLOGY series.

#### BASIC HELICOPTER FLIGHT PRINCIPLES

15 min. 16mm film, optical sd, b&w 1956  
 Producer USA Agency No. TF46-2209  
 Title No. 161800 Sale \$27.00  
 Explains through animation and live photography, the basic aerodynamic principles applied to helicopter flight including

lift, thrust, drag, weight, velocity of airflow over airfoil, collective pitch, dissymmetry of lift, coning and coning angle, flapping and flapping angle, gyroscopic precession laws, and torque.

#### BASIC HYDRAULIC GOVERNOR

17 min. 16mm film, optical sd, b&w 1968  
 Producer USN Agency No. MN02598A  
 Title No. 161822 Sale \$30.50  
 Depicts, by schematic animation, the function of Marquette hydraulic governor, including--basic construction, and operation of principal parts of the hydraulic system. Schematic animation.

#### BASIC LAYOUT TOOLS, PT 2

7 min. 16mm film, optical sd, b&w  
 Producer USN Agency No. MN07831B  
 Title No. 161820 Sale \$12.50  
 Stresses the care and accurate use of metalworking layout tools on template paper and sheet metal.

#### BASIC MAP READING-PART 1-MAP SYMBOLS

20 min. 16mm film, optical sd, col 1967  
 Producer USA Agency No. TF05-3718  
 Title No. 161837 Sale \$68.25  
 Serves as a preface to basic map reading, defines the importance of the military to the soldier and basic symbols found on maps.

#### BASIC MAP READING, PT 2, GRID, DISTANCE AND ELEVATION

29 min. 16mm film, optical sd, col 1967  
 Producer USA Agency No. TF05-3719  
 Title No. 161838 Sale \$97.75  
 Explains the use of the military grid in determining locations or reference points on a military map, the measurement of ground distance on the map, and the use of contour lines to depict elevation and topographic features.

#### BASIC MAP READING, PT 3, DIRECTION, ORIENTATION, AND LOCATION WITHOUT A COMPASS

30 min. 16mm film, optical sd, col 1967  
 Producer USA Agency No. TF05-3720  
 Title No. 161839 Sale \$101.00  
 Explains the orientation of a map, and finding direction and location without the use of a compass.

#### BASIC MAP READING, PT 4, DIRECTION, ORIENTATION, AND LOCATION WITH A COMPASS

30 min. 16mm film, optical sd, col 1967  
 Producer USA Agency No. TF05-3721  
 Title No. 161400 Sale \$101.00  
 Explains how to orient a military map and find direction and location with a compass.

#### BASIC MAP READING, PT 5, PHOTOS AND PHOTOMAPS

31 min. 16mm film, optical sd, b&w 1967  
 Producer USA Agency No. TF05-3722  
 Title No. 161841 Sale \$53.50  
 Teaches the soldier how to use an aerial photograph or photomap as a supplement to or substitute for the military map.

#### BASIC PRINCIPLES OF POWER REACTORS

9 min. 16mm film, optical sd, col 1962  
 Producer USA/C Title No. 00-46 Sale \$62.50  
 Discusses through animation nuclear power reactors and how they produce steam for the generation of electricity. Describes fission, controlled chain reactor components. Shows core, reactor vessel, shielding, moderators, coolants, and control rods.

#### BASIC PRINCIPLES OF THE ANALYTICAL BALANCE

19 min. 16mm film, optical sd, b&w 1951  
 Producer USPHS Agency No. M-0012  
 Title No. 000359 Sale \$33.75  
 Explains the use of the analytical balance and shows how to find the zero point of the balance, find its sensitivity, calibrate the weights, weigh an object, and weigh out a predetermined amount of material.

**\*BASIC RADIO PROCEDURES FOR PILOTS**

30 min, 16mm film, optical sd, col 1970  
 Producer USFAA Agency No. FA-902  
 Title No. 002000 Sale \$87.25  
 Designed to familiarize private pilots, and particularly novices, with proper radio flight service stations and airport traffic control towers.

**BASIC TELEPHONY**

23 min, 16mm film, optical sd, b&w 1961  
 Producer USA Agency No. TF11-3116  
 Title No. 162625 Sale \$40.50  
 Diagrams, and the four circuits--transmitter, receiver and generator and ringer.

**BASIC TERMINOLOGY FOR REHABILITATION APPLIANCES**

6 min, 16mm film, optical sd, col 1966  
 Producer USPHS Agency No. M-1337  
 Title No. 162630 Sale \$21.25  
 Defines and illustrates through micro simulation methodology the basic terminology for rehabilitation appliance. Prepared for the training of aides and helpers with no medical background.

**BASIC TURBINE THEORY**

12 min, 16mm film, optical sd, col 1969  
 Producer USN Agency No. MN10649  
 Title No. 162695 Sale \$50.50  
 Traces the development of the turbine engine from steam power to the jet turbine.

**BASIC WHEELCHAIR FEATURES AND HANDLING**

8 min, 16mm film, optical sd, col 1965  
 Producer USPHS Agency No. M-0912  
 Title No. 163050 Sale \$27.75  
 Describes the basic features which are needed in a wheelchair that is generally suitable for a person who can stand when getting into and out of the chair.

**BATHING THE PATIENT - HOME CARE**

24 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 403  
 Title No. 001442 Sale \$42.25  
 Procedures for bathing a patient in the home - equipment and supplies - methods of bathing-including draping, soaping, rinsing, and drying of each body part - techniques of oral hygiene, massaging, and shaving.

**BATHYMETRY - DISCOVERING THE OCEAN FLOOR CHARTING THE OCEAN BOTTOM**

16 min, 16mm film, optical sd, col 1970  
 Producer USN Agency No. MN10408  
 Title No. 163804 Sale \$66.00  
 Shows the procedures for taking and submitting bathymetric reports and reasons for increasing the quality of these reports.

**BATTERED CHILD, THE, PT 1**

27 min, 16mm film, optical sd, b&w 1970  
 Producer USNMAC Agency No. T-1899A  
 Title No. 164101 Sale \$56.50  
 Discusses patterns of injuries common to the battered child syndrome and the interpretation of these patterns. Shows the external symptoms or signs, and cases with no external symptoms but with extensive internal damage which is obvious at autopsy. (Kinescope)

From the CLINICAL PATHOLOGY series. Forensic Medicine Outlines.

**RESTRICTED TO PROFESSIONAL AUDIENCES--RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY.**

**BATTERED CHILD, THE, PT 2**

26 min, 16mm film, optical sd, b&w 1970  
 Producer USNMAC Agency No. T-1899A  
 Title No. 164103 Sale \$54.75  
 Discusses patterns of injuries common to the battered child syndrome and the interpretation of these patterns. Shows the external symptoms or signs, and cases with no external

symptoms but with extensive internal damage which is obvious at autopsy. (Kinescope)

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**BATTERY, IGNITION AND ELECTRICAL SYSTEM, THE**

26 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 462  
 Title No. 164150 Rental \$10.00 Sale \$45.50  
 Shows how to check and service the battery and check the starting motor, generator, lighting circuit, electrical instruments and ignition.  
 From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Preventive Maintenance, No. 2

**BATTLE GLORY**

17 min, 16mm film, optical sd, col 1962  
 Producer USA Agency No. TF21-3144  
 Title No. 146420 Sale \$58.50  
 Recounts the Army's historic past as represented by the 145 battle streamers on the Army flag-from the Revolutionary War to the Korean war.

**BATTLE OF BRITAIN, THE**

55 min, 16mm film, optical sd, b&w 1943  
 Producer USWD Agency No. OF 04  
 Title No. 164450 Rental \$15.00 Sale \$115.00  
 Presents the story of the year during which Britain stood alone against the Axis. Tells how the Nazi Air Force smashed at her cities and how she fought back, finally stopping Hitler.  
 From the WHY WE FIGHT series.  
**CLEARED FOR CLOSED CIRCUIT TELEVISION ONLY.**

**BATTLE OF CHINA, THE**

67 min, 16mm film, optical sd, b&w 1944  
 Producer USWD  
 Title No. 164463 Rental \$17.50 Sale \$139.50  
 Depicts Japanese aggression against China during World War II and describes Japanese plans for World conquest. Describes Chinese development of the compass, printing, astronomy, gunpowder, and porcelain.  
 From the WHY WE FIGHT series.  
**CLEARED FOR CLOSED CIRCUIT TELEVISION ONLY.**

**BATTLE OF SAN PIETRO, THE**

32 min, 16mm film, optical sd, b&w 1945  
 Producer USA Agency No. CR 002  
 Title No. 164500 Rental \$12.50 Sale \$56.75  
 Gives a close-up of modern warfare from the soldier's point of view. Stresses the number of men killed in taking one military objective. Shows the people and children of San Pietro, during World War II, too stunned to realize they have been liberated.

**BATTLE OF THE LEYTE, THE**

26 min, 16mm film, optical sd, b&w 1951  
 Producer USA Agency No. CHR-A-011  
 Title No. 164467 Sale: W/DRAWN  
 Reviews the battle of Leyte Island during October-December, 1944. Contains scenes of actions of the 10th And 24th corps of the Sixth U S Army and of the U S 3rd and 7th Fleets.

**BATTLE, THE**

14 min, 16mm film, optical sd, col 1965  
 Producer USN Agency No. MH10278C  
 Title No. 164710 Sale \$60.00  
 Shows combat footage centered primarily around operation Piranha, carried out against the Viet Cong stronghold. Describes planning and execution of the operation. Shows Marine exercising across-the-beach landing techniques, Marines close air support, naval gun fire support and artillery. Employment of helicopters illustrates vertical assault techniques. Shows capture of Viet Cong prisoners, patrol action and treatment of wounded Marines.

<b>BE WATER WISE - BOATING</b>		how to inspect, clean, and replace bearing shells and reassemble the bearing.
21 min, 16mm film, optical sd, col Producer USAF Title No. 164900	1960 Agency No. TF01-5192B Sale \$71.50	From the PROGRESSIVE MAINTENANCE DIESEL PROPULSION Engine Series.
Depicts safe methods for canoeing, outboard motorboating, sailing, and skiing. Discusses marine traffic regulations, emergency measures, and courtesy codes.		
<b>BE WATER WISE - SWIMMING</b>		<b>BEARINGS</b>
25 min, 16mm film, optical sd, col Producer USAF Title No. 149905	1960 Agency No. TF01-5192A Sale \$84.75	9 min, 16mm film, optical sd, b&w Producer USN Title No. 165446 Sale \$15.75
Shows how to enjoy safe swimming whether in the pool, surf, lake or the 'ole' swimming hole. Points out consequences when safety rules are ignored. As scene shifts from controlled swimming facilities to unsupervised lakes and streams, a ground safety officer discusses the five basic principles of safe swimming.		Tells how to remove, inspect, and install main bearing cap, lower bearing shell, and upper bearing shells. From the PROGRESSIVE MAINTENANCE ON THE GENERAL MOTORS 12-567A DIESEL ENGINE Series.
<b>BEACH INTELLIGENCE - SHORELINE PROCESSES</b>		OTHER FORMAT(S) OR VERSION(S)
26 min, 16mm film, optical sd, b&w Producer USN Title No. 165210	1957 Agency No. FN08110B Sale \$54.75	11 min, 16mm film, optical sd, b&w Producer USN Title No. 165445 Sale \$19.25
Explains how currents, winds and waves change beach profiles.		
<b>BEACH INTELLIGENCE - WAVES, BREAKERS, AND SURF</b>		<b>BEATING THE AVERAGES</b>
20 min, 16mm film, optical sd, b&w Producer USN Title No. 165213	1957 Agency No. FN08110A Sale \$42.50	27 min, 16mm film, optical sd, col Producer USSR Title No. 165150 Sale \$109.50
Explains wave forms, equations involved, period, velocity and wave lengths. Shows how waves are formed in the fetch area, how they travel through decay, how refractions take place in shoal waters, and breakers on the beach.		Depicts problems of wheelchair victims attempting to move about in conventionally-designed homes, office buildings, and factories. Narrated by Raymond Burr.
<b>BEACHHEAD - ANZIO</b>		<b>BEAUTY AND THE GRANDEUR, THE</b>
29 min, 16mm film, optical sd, b&w Producer USA Title No. 165251	1962 Agency No. TV 579 Sale \$59.50	14 min, 16mm film, optical sd, col Producer USFHWA Title No. 166000 Sale \$47.00
Shows establishment of Anzio beachhead during World War II. From the BIG PICTURE series.		Describes the highway beautification program underway throughout the nation.
<b>*BEACON IN THE MARKET PLACE</b>		<b>BEAVER SELJA INCIDENT, THE</b>
11 min, 16mm film, optical sd, col Producer USDA Title No. 003923	1965 Agency No. 5068 Sale \$53.00	5 min, 16mm film, optical sd, b&w Producer USN Title No. 166100 Sale \$9.25
Shows how modern market news is gathered and disseminated. It also shows the important role market news plays in our efficient market system.		Shows collision of the Beaver and the Selja off the California coast. Tells of the signals exchanged, action taken when collision was imminent, and the decision of the Supreme Court. From the RULES OF THE NAUTICAL ROAD series.
<b>BEAMS, BULLETS AND BLACK OIL</b>		<b>BED BATH, THE</b>
29 min, 16mm film, optical sd, col Producer USN Title No. 165262	1968 Agency No. MN10490 Sale \$117.50	19 min, 16mm film, optical sd, b&w Producer USN Title No. 166455 Sale \$33.75
Shows replenishment-at-sea in the Gulf of Tonkin, Navy's system of supplying ships at sea, and vertical replenishment by helicopter.		Shows the supplies and equipment needed, demonstrates the order of the bath, and the correct techniques to follow in giving the patient a back rub.
<b>BEARING DISASSEMBLY AND INSPECTION</b>		<b>BED CARE AND POSITIONING OF THE PATIENT WITH ARTHRITIS</b>
14 min, 16mm film, optical sd, b&w Producer USN Title No. 000360	1944 Agency No. MN02364C Sale \$25.50	8 min, 16mm film, optical sd, col Producer USNMAC Title No. 166500 Sale \$31.25
Demonstrates how to disassemble main bearings, inspect, take readings on the bearing shell, and use care in handling parts.		Demonstrates proper bed care and positioning of the patient with arthritis which will allow a more rapid and comfortable recovery as well as prevent contractures and bed sores. Points out that an integral part of good bed care is the ability to assist movement of the patient with a minimum of pain.
<b>BEARING REASSEMBLY</b>		<b>BEFORE SATURN</b>
11 min, 16mm film, optical sd, b&w Producer USN Title No. 000361	1943 Agency No. MN02364D Sale \$19.25	14 min, 16mm film, optical sd, col Producer USNASA Title No. 166825 Sale \$59.00
Demonstrates how to roll the bearing shell back into place. Tells how to install cap, wedge blocks, and wedge shoe and connect the lube oil line.		Presents a short history of the philosophical and fictional dreams of space exploration, from the early Chinese through the Greek period to the development of the Saturn I rocket. CLEARED FOR TV.
<b>BEARING REMOVAL AND INSPECTION, 8-268A ENGINE</b>		<b>BEFORE THE DAY</b>
17 min, 16mm film, optical sd, b&w Producer USN Title No. 000362	1943 Agency No. MN00209D Sale \$30.50	11 min, 16mm film, optical sd, b&w Producer USSSA Title No. 166740      Rental: W/DRAWN   Sale: W/DRAWN
Demonstrates how to disassemble the main bearing. Tells		Gives an account of the founding and growth of the old age and disability programs under social security.

\* INDICATES NEW ENTRY

**\* BEGINNING JAPANESE, PT 1**

16 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 008887 Sale \$52.00  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.  
OTHER FORMAT(S) or VERSION(S)  
30 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 008886 Sale \$83.50  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

**\* BEGINNING JAPANESE, PT 2**

15 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 008889 Sale \$48.75  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.  
OTHER FORMAT(S) or VERSION(S)  
30 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 008888 Sale \$83.50  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

**BEGINNING WITHOUT END, A**

30 min, 16mm film, optical sd, col 1968  
Producer USAEC  
Title No. 001443 Sale \$175.75  
A non-technical survey of the wide variety of nuclear research and development projects at the Berkeley and Livermore sites of the Lawrence Radiation Laboratory.

**\* BEGINNING, THE - THE RECRUIT**

18 min, 16mm film, optical sd, col 1969  
Producer USMC Agency No. MH10863  
Title No. 168450 Sale \$74.00  
Shows scenes of bootcamp and graduation at the Marine Corps Recruit Depot, San Diego, California.

**BEHAVIOR THERAPY WITH AN AUTISTIC CHILD**

42 min, 16mm film, optical sd, b&w 1964  
Producer USPHS Agency No. MIS-0895  
Title No. 189100 Sale \$71.75  
Demonstrates the systematic application of reinforcement in the form of candy, for responsive behaviors by a five year old autistic child. An introduction and final summary statement bring the demonstration within framework of current work in behavior therapy.

**BEHIND THE SHOP DRAWING**

10 min, 16mm film, optical sd, b&w 1941  
Producer USN Agency No. MN00037  
Title No. 169490 Sale \$28.50  
Shows isometric, perspective, orthographic projection and cross section drawings. Tells how dimensions and specifications are indicated.

**BENCHWORK, PT 1**

14 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03707E  
Title No. 000364 Sale \$25.50  
Shows how to remove valves, overspeed trip assembly, transfer block, and check valve.  
From the GENERAL MOTORS 16-278A DIESEL ENGINE series.

**BENCHWORK, PT 2**

19 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03707F  
Title No. 000365 Sale \$33.75  
Tells how to clean and inspect the head, resurface valve seats, lap valves and 'mike' guides and valves.  
From the GENERAL MOTORS 16-278A DIESEL ENGINE series.

**BENCHWORK, PT 3**

12 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03707G  
Title No. 000366 Sale \$22.25  
Describes how to install valves, overspeed trip, transfer block, test valve and relief valve assembly, and start air starting check valve.  
From the GENERAL MOTORS 16-278A DIESEL ENGINE series.

**BENCHWORK, PT 4**

26 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03707H  
Title No. 000367 Sale \$45.50  
Tells how to disassemble the piston assembly, and inspect and 'mike' the piston, wrist pin, and bearings check ring clearance, reassemble piston and rod, and inspect, clear, and 'mike' the liner.  
From the GENERAL MOTORS 16-278A DIESEL ENGINE series.

**BENDING COPPER TUBING TO A WIRE TEMPLATE**

22 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 102  
Title No. 170125 Rental \$7.50 Sale \$46.25  
Describes how tubing is annealed, cooled and filled with rosin, and how a wire template is made. Shows how bends are marked, made, and checked.  
From the SHIPBUILDING SKILLS series. Copper-Smithing, No. 1

**BENDING OAK TECHNIQUES**

17 min, 16mm film, optical sd, b&w 1950  
Producer USN Agency No. FN 6734  
Title No. 006429 Sale \$30.50  
Demonstrates techniques of bending oak billets of Navy motor launch hulls--covers presentation of bending machines, procedure prior to bending, cautions to be observed during bending operations, storing of billets, and cutting of ribs.  
CLEARED FOR TV.

**BENEATH NAVY WINGS**

28 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09454  
Title No. 170170 Sale \$94.50  
A recruiting film designed to encourage enlistments in U.S. naval aviation. Through the story of two enlisted men aboard an ASW patrol plane, emphasizes the education and training involved in preparing enlisted men and women for work in various naval aviation specialties.

**BERLIN DUTY**

12 min, 16mm film, optical sd, b&w 1964  
Producer USDOD Agency No. AFMR 0631  
Title No. 170750 Sale \$42.50  
Pictures life, particularly the life of American occupation forces, in West Berlin.  
NOT CLEARED FOR TV.

**BEST INVESTMENT WE EVER MADE, THE**

24 min, 16mm film, optical sd, col 1964  
Producer USFAA Agency No. FA-0304  
Title No. 171365 Sale: W/DRAWN  
Provides a factual documentary on value of smalltown airports to communities' economy. Narrated by Arthur Godfrey.  
CLEARED FOR TV.

**BETA RAY SPECTROMETER**

7 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 171390 Sale \$31.00  
Uses animation and live action shots to explain the operating principles of the coincidence beta ray spectrometer, a device which is used to measure the intensity and direction of beta particle emissions. Demonstrates the assembly of the components of the device and the masking for beam direction and size. Shows and explains the function of detectors.

**\*BETTER LIVING THROUGH RESEARCH**

21 min, 16mm film, optical sd, col 1958  
Producer USDA Agency No. 1347  
Title No. 171700 Sale \$98.00  
Shows research by the U S Department of Agriculture at the Institute of Home Economics, Beltsville, Maryland, in the fields of food, textiles and housing.

**BETTER TOMORROW, A**

24 min, 16mm film, optical sd, b&w 1960  
Producer USIA Agency No. 16-00548  
Title No. 171845 Rental: W/DRAWN Sale: W/DRAWN  
Shows how a Brazilian non-profit organization and the Point 4 Economic Assistance Program cooperate in offering courses in civic administration and in providing scholarships for study in the United States.

**\*BETTER WAYS FOR DOING WORK - INTRODUCTION TO THE ARMY WORK SIMPLIFICATION PROGRAM**

20 min, 16mm film, optical sd, col 1973  
Producer USA Agency No. MF-61-5718  
Title No. 003573 Sale \$81.75  
Illustrates the history, application, and tools of work simplification. Through an animated format, describes work simplification as the application of common sense to work to be done, showing its benefits to the worker, the supervisor, and to the Army.

**BEVEL PROTRACTOR, THE**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 050  
Title No. 172175 Rental \$7.50 Sale \$27.00  
Gives principles of the vernier bevel protractor. Tells how to set and read the protractor and how to lay out angular work and check angles.  
From the MACHINE SHOP WORK series. Precision Measurement, No. 7

**BEVELING, GROOVING, AND ROUNDING**

27 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN 02449G  
Title No. 172195 Sale \$47.00  
Illustrates techniques involved in grooving, beveling and rounding both flat and curved surfaces, demonstrates importance of beveling the edges of all optical surfaces to prevent chipping, adaption of surface grinder for grooving, and two common types of rounding machines.

**BEVELING, MITERING, RABBETING AND DADOING**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 307  
Title No. 172200 Rental \$7.50 Sale \$33.75  
Shows how to cut a bevel with tilted fence, set a miter gage, use a stopblock, set the fence and blade for cutting rabbets, and install and use a dado head.  
From the PRECISION WOOD MACHINING series. Operations On the Variety Saw, No. 2

**BEVELING, STOP CHAMFERING AND TAPERING SQUARE STOCK**

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 303  
Title No. 172250 Rental \$7.50 Sale \$35.25  
Shows how to set fence for bevel cutting, adjust the proper amount of cut, cut chamfer, set the infeed and outfeed tables and stop blocks, and how to cut tapers.  
From the PRECISION WOOD MACHINING series. Operations On the Jointer, No. 2

**BEYOND SILENCE**

17 min, 16mm film, optical sd, b&w 1960  
Producer USIA Agency No. 01-02498  
Title No. 172352 Rental: W/DRAWN Sale: W/DRAWN  
The story of Gallaudet College, a university for the deaf in Washington, D C, and of the work of Gallaudet Graduate School, a world famous research center for the deaf. Gallaudet is the only school of its kind in the world and is open to students of all nations.

**BEYOND THE STICK AND RUDDER**

14 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. TF 1-5300  
Title No. 001640 Sale \$25.50  
Explains the basic principles of aerodynamics, shows how aircraft designers apply these laws to achieve superior design and performance without detracting from pilot safety, and emphasizes the pilot's need for a thorough knowledge of these laws for safe flying.

**\*BEYOND THIS WINTER'S WHEAT**

15 min, 16mm film, optical sd, b&w 1965  
Producer USIA Agency No. 01-02649  
Title No. 172401 Rental: W/DRAWN Sale: W/DRAWN  
Reveals the inner thoughts and aspirations of a young agricultural college student from a Northwestern wheat farm. Shows his feeling for the land, and his growing sense of responsibility to himself and to his fellow man even to the aiding of other nations with the bounty of America's farms. Includes his plans for joining the peace corps before returning to the farm.

**BI-STABLE MULTIVIBRATOR - TSTR**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-813  
Title No. 172500 Sale \$82.25  
Reviews the basic action of the transistorized bi-stable multivibrator and outlines some of its uses. Emphasizes factors that identify the circuit and explains the purpose of each component. Plots characteristic waveshapes graphically and shows actual waveshapes. As the waveshapes are developed, the input to output frequency ratio is emphasized. (Kinescope)

**BI-STABLE MULTIVIBRATOR - VT**

31 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-812  
Title No. 172502 Sale \$64.25  
Points out the identifying features of the circuit and stresses the purpose of each component. Explains the operation of the circuit as a graph of characteristic waveshapes is developed, and emphasizes the input-output frequency ratio. (Kinescope)

**BI-VALVE CASTS, THEIR CONSTRUCTION AND APPLICATION**

14  
Producer USNMAC Agency No. F-1472-X  
Title No. 001444 Sale \$10.00  
Describes the purpose and value of bi-valve casts helping to keep the child's legs in good alignment, prevention of the formation of contractures, and aiding the child in maintaining a standing position.

**BIASED CLAMPERS**

21 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-540  
Title No. 172504 Sale \$44.50  
Reviews basic diode clapper theory. Explains uses and basic characteristics of components and adds bias to the basic circuit. (Kinescope)

**BIG CHALLENGE, THE**

9 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQA 170  
Title No. 173125 Sale \$100.25  
Describes the planning and construction of the vehicle assembly building, crawler, mobile service structure, and the buildings and support facilities of the Kennedy Space Center, Merrit Island, Florida.  
CLEARED FOR TV.

**\*BIG GAMBLE, THE**

15 min, 16mm film, optical sd, b&w 1953  
Producer USDA Agency No. 1161  
Title No. 003924 Sale \$30.00  
Shows the farmer's struggle against the forces of nature in the production of crops and how the Federal All-risk Crop Insurance program eases the financial burden when crop failure strikes.

<b>BIG RIVER</b>	15 min, 16mm film, optical sd, col Producer USAE Title No. 174175	1963 Sale \$65.00 Emphasizes the essential role of the Mississippi River as the main artery of the vast inland navigation system of the United States.	control of the cockroach. Describes new insecticides for the control of cockroaches which are resistant to chlordane.
<b>BIG WHEEL, THE</b>	17 min, 16mm film, optical sd, b&w Producer USA Title No. 174275	1950 Agency No. CMF130-7723 Sale \$30.50 Tells the history of the 35th Infantry Division.	<b>BIOLOGY OF DOMESTIC FLIES</b> 9 min, 16mm film, optical sd. b&w Producer USNMAC Title No. 176100 Explains the life cycle of the house fly, characteristics of domestic flies (house, blow, flesh, and stable flies), typical breeding places, public health implications of the fly's mechanisms for transmitting disease organisms and filth, and control measures.
<b>BIOLOGY AND CONTROL OF DOMESTIC FLIES, THE</b>	15 min, 16mm film, optical sd, col Producer USPHS Title No. 006419	1964 Agency No. M-0628 Sale \$51.75 Shows the public health importance, biology, environmental control and chemical base-line for community fly control operations.	<b>BIOLOGY PLUS</b> 33 min, 16mm film, optical sd, b&w Producer USOE Title No. 176150 Presents the traditional subject matter of biology, with the additional series of student laboratory and field experiences.
<b>BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES</b>	22 min, 16mm film, optical sd, col Producer USPHS Title No. 175900	1960 Agency No. M-0357 Sale \$74.75 Stresses the need for local health departments, civic and service groups, and individuals to co-operate with the U S Public Health Service in control of domestic mosquitoes.	<b>BIOMECHANICAL PRINCIPLES OF FIXED PARTIAL DENTURE PROSTHODONTICS, PT 1</b> 45 min, 16mm film, optical sd, col Producer USVA Title No. 176125 Demonstrates the desirability of observing sound principles in the planning and construction of crown and bridge fixed denture prostheses so that these restorations may serve effectively as replacements for missing teeth and in the preservation of the remaining teeth and other oral tissues. The engineering principles relating to cavity preparation and fixed partial denture prostheses are shown by the use of illuminated, clear plastic models.
<b>BIOLOGY AND CONTROL OF DOMESTIC MOSQUITOES (SPANISH)</b>	22 min, 16mm film, optical sd, col Producer USPHS Title No. 175901	1960 Agency No. M-0357-SP Sale \$74.75 Stresses the need for local health departments, civic and service groups and individuals to co-operate with the United States Public Health Service in the control of domestic mosquitoes.	<b>BIOMECHANICAL PRINCIPLES OF FIXED PARTIAL DENTURE PROSTHODONTICS, PT 2</b> 30 min, 16mm film, optical sd, col Producer USVA Title No. 176126 Demonstrates the desirability of observing sound principles in the planning and construction of crown and bridge fixed denture prostheses so that these restorations may serve effectively as replacements for missing teeth and in the preservation of the remaining teeth and other oral tissues. The engineering principles relating to cavity preparation and fixed partial denture prostheses are shown by the use of illuminated, clear plastic models.
<b>BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO</b>	19 min, 16mm film, optical sd, col Producer USPHS Title No. 175960	1965 Agency No. M-0650 Sale \$65.00 Shows the problem of schistosomiasis in the world today. Points out detection of the disease and survey methods in Puerto Rico, and photomicrography and animation of life cycle of the parasite. Schistosoma mansoni, clinical symptoms of the disease, ecology of the fresh-water snail host, and control methods are shown.	<b>BIOSATELLITE PROGRAM, THE - BETWEEN THE ATOM AND THE STAR</b> 28 min, 16mm film, optical sd, col Producer USNASA Title No. 000369 Shows why an orbiting satellite is 'weightless' and how biological experiments performed in a weightless laboratory may reveal important information about basic life processes. CLEARED FOR TV.
<b>BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (SPANISH)</b>	19 min, 16mm film, optical sd, col Producer USPHS Title No. 175961	1965 Agency No. M-1035 Sale \$65.00 Shows the problem of schistosomiasis in the world today. Points out detection of the disease and survey methods in Puerto Rico. Shows schistosoma mansoni, clinical symptoms of the disease, ecology of the fresh-water snail host and control methods are shown.	<b>BIRD AIRCRAFT STRIKE HAZARDS</b> 11 min, 16mm film, optical sd, col Producer USAF Title No. 176155 Reviews bird strike hazards to aircraft and aircrews. Shows canopy and fuselage damage to several aircraft and cites loss of several lives. Discusses ratios of given bird weights, aircraft speeds, and pounds of impact pressure. Cites critical geographical areas during migrating seasons and at certain times of day. Offers helpful suggestions for avoiding strikes. CLEARED FOR TV.
<b>BIOLOGY AND CONTROL OF SCHISTOSOMIASIS IN PUERTO RICO (FRENCH)</b>	19 min, 16mm film, optical sd, col Producer USNMAC Title No. 001641	1965 Agency No. M-1036 Sale \$65.00 Shows the problem of schistosomiasis in the world today. Points out detection of the disease and survey methods in Puerto Rico - photomicrography and animation of life cycle of the parasite. Schistosoma mansoni - clinical symptoms of the disease - ecology of the fresh-water snail host and control methods.	<b>BLACKSMITH, THE - CALCULATING AND BENDING RINGS AND LINKS, THE</b> 21 min, 16mm film, optical sd, b&w Producer USN Title No. 179690 Teaches elementary shipsmithing including linear calculation of stock, forming of rings and links, forge welding, and the use of common blacksmith's hand tools. From the SHIPBUILDING SKILLS series.
<b>BIOLOGY AND CONTROL OF THE COCKROACH</b>	14 min, 16mm film, optical sd, col Producer USPHS Title No. 175950	1960 Agency No. M-0426 Sale \$48.50 A filmograph designed to train sanitarians in recognition and	1967 Agency No. FR 851 Sale \$44.75

\* INDICATES NEW ENTRY

**BLACKSMITH, THE - CALCULATING AND FORGING A DECK SOCKET WRENCH**

19 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02350B  
Title No. 179692 Sale \$33.75  
Shows the steps taken in forging a deck socket wrench from reading the blueprint and selecting the stock to forging and finishing.  
From the SHIPBUILDING SKILLS series.

**BLANKET FOR SURVIVAL**

22 min, 16mm film, optical sd, col 1965  
Producer USFAA Agency No. FA-0607  
Title No. 179715 Sale \$80.25  
Demonstrates a successful technique for combining major aircraft fires based on the premises of reaching the full length of the fuselage, cooling the metal, and blanketing the fire area.  
Cleared for TV.

**BLANKING SHEET METAL ON THE SQUARING SHEAR**

15 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 130  
Title No. 179725 Rental \$7.50 Sale \$27.00  
Describes how to lay out tapered blanks on an aluminum sheet, set up a hand-operated squaring shear, use hold-downs and treadle, and check and trim blanks.  
From the AIRCRAFT WORK series. Blanking Sheet Metal, No. 1

**BLANKING SHEET METAL WITH HAND SNIPS**

18 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 131  
Title No. 179750 Rental \$7.50 Sale \$32.00  
Shows care and adjustment of sheet metal snips, proper selection of snips, how to remove burrs, and how to cut a straight line, inside circle and outside circle.  
From the AIRCRAFT WORK series. Blanking Sheet Metal, No. 2

**BLANKING WITH ROTARY AND HIGH SPEED SHEARS**

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 292  
Title No. 179755 Rental \$7.50 Sale \$28.50  
Shows how to set up rotary and high-speed shears, make test cuts, and operate shears for production runs.  
From the AIRCRAFT WORK series. Blanking Sheet Metal, No. 4

**BLANKING WITH THE SWING ARM ROUTER**

17 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 132  
Title No. 179757 Rental \$7.50 Sale \$30.50  
Tells how to operate a swing-arm router, set up the work and template for routing, change router bits, and rout internal and external contours.  
From the AIRCRAFT WORK series. Blanking Sheet Metal, No. 3

**\*BLASTOMYCES DERMATITIDIS**

6 1954  
Producer USNMAC Agency No. F116-A  
Title No. 002002 Sale \$10.00  
Illustrates clinical signs and histologic aspects of blastomycosis dermatitidis, and techniques used in the microscopic examination of specimens.

**BLEACHING THE ENDODONTICALLY TREATED DIS COLORED TOOTH**

14 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. D98  
Title No. 002947 Sale \$47.50  
The objective of bleaching a nonvital discolored tooth is the restoration of normal color. This is accomplished by discolorizing the stain with a powerful oxidizing or reducing agent. This technique is demonstrated on an anterior central incisor.

**BLEEDING AND BANDAGING**

28 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0799  
Title No. 179790 Sale \$93.00  
Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.  
From the MEDICAL SELF-HELP series.

RESTRICTED TO PROFESSIONAL AUDIENCES--RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY.

**BLEEDING DISORDERS**

30 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1853-X  
Title No. 179795 Sale \$60.50  
Graphically demonstrates extrinsic and intrinsic hemostatic mechanisms of clotting. Illustrates bleeding disorders of (1) primary vessel wall defect, (2) platelet abnormalities, and (3) abnormalities of coagulation mechanism. (Kinescope)  
From the BOSTON MEDICAL REPORTS series.

**BLIND RIVETING**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 294  
Title No. 173820 Rental \$7.50 Sale \$27.00  
Demonstrates necessity for blind riveting, how to rivet parts that are completely blind, and how to use special tools and rivets in blind riveting jobs.  
From the AIRCRAFT WORK series. Assembling and Riveting, No. 8

**\*BLOCK THAT TERMITES**

20 min, 16mm film, optical sd, b&w 1940  
Producer USDA Agency No. 716-A  
Title No. 180001 Sale \$48.00  
Shows construction procedures to prevent ravages of termites in new buildings. portrays measures which can prevent further damage in infected buildings.

**BLOCKING OSCILLATOR**

36 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-804  
Title No. 180120 Sale \$74.50  
Identifies the blocking oscillator and points out one use of the circuit. Explains the theory of operation, by use of the circuit, and shows significant waveshapes. Defines under, over, and critical damping and shows the proper amount of damping for the blocking oscillator. Shows waveshapes on an oscilloscope. (Kinescope)

**BLOCKING OSCILLATOR - TSTR**

39 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-806  
Title No. 180121 Sale \$80.25  
Gives a detailed explanation of the circuit operation, stressing the purpose of each component. Shows output waveshapes, emphasizing phase relationships and the effect of varying circuit components on frequency, pulse width, and rest time. (Kinescope)

**BLOCKING OSCILLATOR - VT**

36 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-805  
Title No. 180123 Sale \$74.50  
Discusses characteristics of rectangular pulses. States purpose of circuit components and explains operation of circuit. Makes detailed analysis of circuit waveshapes, defines the three types of damping, and explains two methods of obtaining stability. (Kinescope)

**BLOOD COLLECTION FOR PEDIATRIC TESTS**

5 min, 16mm film, optical sd, col 1966  
Producer USPHS Agency No. M-1299  
Title No. 180191 Sale \$18.00  
Demonstrates the procedure for taking blood specimens from very young infants for phenylalanine testing and other pediatric serum test. Faulty as well as proper techniques in

using the rasmussen disposable bottle collector are demonstrated. The recommended method for shipping the serum to the laboratory is also shown.

#### BLOOD PRESSURE READINGS

19 min, 16mm film, optical sd, col 1968  
Producer USPHS Agency No. M-1582  
Title No. 180234 Sale \$65.00  
Shows a manometer with accompanying, synchronous Koratoff sound. Fourteen blood pressure cases are presented followed by a pause for observer to write interpretation of blood pressure reading.

#### BLOOD PRESSURE READINGS

29 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. MIS-0690  
Title No. 180235 Sale \$50.25  
Shows a series of actual blood pressure measurements with the sphygmomanometer and stethoscope. Each scene shows the mercury being lowered in a manometer and the sound track gives the accompanying sounds. The audience is asked to fill out a test sheet as given subjects are repeated at random in 15 sequences.

#### \*BLUE

24 min, 16mm film, optical sd, col 1971  
Producer USNIMH  
Title No. 180440 Rental \$12.50 Sale \$97.75  
Shows what addiction is like for the Black person. Reconstructs the past of a young Black addict, portraying the hardships, misery and despair connected with the life of a drug addict. Recommended for Black audiences.

#### BLUE RIBBON

22 min, 16mm film, optical sd, b&w 1948  
Producer USDS  
Title No. 180575 Rental \$7.50 Sale \$46.25  
Shows family life and activities of rural youth in the United States, 4-H Club activities and exhibits at county agricultural fairs, and 'blue ribbon' awards given to boys and girls for livestock, farm produce, and homemaking projects.

#### \*BLUE TONGUE

9 min, 16mm film, optical sd, col 1954  
Producer USDA Agency No. 1188  
Title No. 003925 Sale \$45.00  
Describes the history and shows the symptoms, lesions, and pathology characteristics of blue tongue, catarrhal fever of sheep. Describes the epizootiology, including insect transmission, hosts, communicability, and means of prevention and control.

#### BMEP LIMITER

10 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02598C  
Title No. 180780 Sale \$17.50  
Explains how the governor operates for normal and low speeds. Shows how the BMEP limiter functions when fuel is on and off, reduces the fuel supply to an over-loaded engine, and goes out of position when the full operation is completed.  
From the DIESEL ENGINE series. Marguette Hydraulic Governor, Pt 3.

#### \*BOARDING PROCEDURES

13 min, 16mm film, optical sd, col 1972  
Producer USCG  
Title No. 002003 Sale \$52.50  
Presents a typical boarding situation in which an experienced Coast Guard boating safety officer stops a speeding pleasure boat, boards, examines the federally required safety equipment and issues a citation. Intended for use in training marine law enforcement personnel.

#### BOATING SAFETY, PT B, COURTESY AFLOAT

20 min, 16mm film, optical sd, col 1962  
Producer USCG  
Title No. 180855 Sale \$77.00  
Courteous and safe operation in swimming and fishing areas.

and keeping aware of weather conditions. This film is designed for use by all boatmen, but particularly for those who operate less-than-26-foot boats.

#### BOATING SAFETY, PT C, SAFETY EQUIPMENT

16 min, 16mm film, optical sd, col 1963  
Producer USCG  
Title No. 180857 Sale \$60.00  
Demonstrates proper equipment and its correct utilization aboard pleasure craft, including various types of life preservers, signaling, anchor, and other devices calculated to increase boating knowledge.  
CLEARED FOR TV.

#### BOB CUMMINGS VISITS THE AIR FORCE ACADEMY WITH HIS SON BOB CUMMINGS, JR

14 min, 16mm film, optical sd, col 1959  
Producer USAF Agency No. SFP 0668  
Title No. 181145 Sale \$48.50  
Bob Cummings takes his son Robert on an exciting tour of the Air Force Academy. Besides explaining the curriculum and extra-curricular activities of the school, Bob points out career opportunities available to eligible young men.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

#### BODY MECHANICS

9 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1336  
Title No. 181427 Sale \$29.25  
Shows 'Do's' and 'Don't's' of lifting techniques used by physical therapists. Emphasizes use of proper body mechanics as a protection to both patient and therapist.

#### BOILER REPAIR, WATER SIDE - CLOSING THE BOILER

10 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07861D  
Title No. 181603 Sale \$17.50  
Shows how to close the boiler and prepare it for service again after all necessary inspections have been made to the water sides, including inspection and replacement of faulty tubes.

#### BOILER REPAIR, WATER SIDE - INTRODUCTION

9 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07861A  
Title No. 181600 Sale \$15.75  
Gives an introduction to basic problems and conditions leading to boiler repairs, both water side and fire side.

#### BOILER REPAIR, WATER SIDE - REMOVING BOILER TUBES

10 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07861B  
Title No. 181601 Sale \$17.50  
Shows proper tools, materials, methods, precautions, and overall conditions for replacing boiler tubes. Stresses safety precautions.

#### BOILER REPAIR, WATER SIDE - REPLACING BOILER TUBES

8 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07861C  
Title No. 000370 Sale \$14.25  
Shows how to replace boiler tubes after they have been properly removed and inspected for possible faults in operation and safety.

#### BOILER REPAIRS, FIRE SIDE - BUILDING WALLS AND FLOORS

13 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07862A  
Title No. 181500 Sale \$23.75  
Shows the materials and methods to be utilized in building walls and floors in the fire side of the boiler.

#### BOILER REPAIRS, FIRE SIDE - HIGH TEMPERATURE CASTABLE REFRACTORIES

14 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07862D  
Title No. 181503 Sale \$25.50  
Explains the use of high temperature castable refractory and

\* INDICATES NEW ENTRY

castable chrome ore, conditions necessary for their utilization, and all necessary steps for application, from pre-mixing of materials to air-drying and baking-out.

#### **BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC CHROME**

5 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 7862-C  
Title No. 001642 Sale \$9.25

Shows how to apply plastic chrome ore in a boiler through the portrayal of an actual installation from beginning to end. Stresses careful procedures and safety.

#### **BOILER REPAIRS, FIRE SIDE - INSTALLING PLASTIC FIRE BRICK**

7 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07862B  
Title No. 181510 Sale \$12.50

Discusses conditions for using plastic firebrick and shows the step-by-step method of applying this material. Explains its advantages and disadvantages. safety.

#### **\*BOILERS AND THEIR OPERATION - ALKALINITY TEST**

13 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MM09223I2  
Title No. 181608 Sale \$54.25

Describes the procedure for preparing the chemicals and conducting the alkalinity test.

#### **\*BOILERS AND THEIR OPERATION - BOILER WATER SAMPLING**

8 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN09223R  
Title No. 181620 Sale \$35.00

Shows the manner in which boiler water samples are obtained.

#### **\*BOILERS AND THEIR OPERATION - PHOSPHATE TEST**

13 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN09223M3  
Title No. 181622 Sale \$56.50

Demonstrates the use of the Taylor comparator kit in performing the phosphate test. Also shows how to prepare the boiler water.

#### **\*BOLD DECISIONS**

27 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. SFP 1254  
Title No. 181640 Sale \$47.00

Traces history of aviation from its beginning through major wars. Focuses primarily on contributions of great American leaders to the progress and development of aviation and to creation of a heritage of which the Air Force is proud.  
*CLEARED FOR TV.*

#### **BOLD NEW APPROACH**

28 min, 16mm film, optical sd, b&w 1966  
Producer USPHS Agency No. AM-1367  
Title No. 181680 Sale \$48.75

Explains the philosophy behind comprehensive community mental health center, stressing the concepts of comprehensive and continuous care. Services include in/outpatient treatment for all ages, day and night hospital, emergency service and rehabilitation services. Shows that such a center can be created and molded to the needs of any type of community.

#### **\*BOMB SQUAD**

28 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10502  
Title No. 181848 Sale \$111.50

Portrays the training facilities located at the Naval Ordnance Station, Indianhead, Maryland, Naval Station, Key West, Florida and Naval Station, Washington, D.C. Also shows problems involving the location and disarmament of explosive devices by explosive ordnance disposal teams.

#### **\*BOMEX**

16 min, 16mm film, optical sd, col  
Producer USNOAA

Title No. 002004 Sale \$66.00

Describes the unique series of studies of the weathermaking interaction between the tropical Atlantic ocean and the atmosphere made during the 1969 Barbados Oceanographic and Meteorological Experiment.

#### **BONDED THIN CONCRETE RESURFACING**

14 min, 16mm film, optical sd, b&w 1957  
Producer USAF Agency No. TF01-5158  
Title No. 182040 Rental \$7.50 Sale \$25.50

Describes a new method of resurfacing runways--including cleaning the runway of debris, oil, and grease--thoroughly wetting down the runway, using foaming muriatic acid to provide a strong bond between old and new concrete, mixing and testing aggregate, locating forms, spreading special bonding mortar, and locating new joints over old.

#### **BONUS FOR PUERTO RICO**

20 min, 16mm film, optical sd, ccl 1967  
Producer USAEC

Title No. 001445 Sale: W/DRAWN

Discusses the joint arrangements between the U.S. Atomic Energy Commission and the Puerto Rico Water Resources Authority for construction and operation of a small, unique nuclear power station, the boiling nuclear superheat reactor, in Puerto Rico. Shows the plant in operation and compares nuclear superheat reactors with other types.

#### **BOOKED FOR SAFEKEEPING**

33 min, 16mm film, optical sd, b&w 1960  
Producer USPHS Agency No. MIS-0561  
Title No. 182350 Sale \$56.75

Demonstrates the proper management of mentally ill persons by members of the large city police department to prepare the mentally ill persons for their subsequent medical treatment.

#### **BOOKS FOR EVERYONE**

10 min, 16mm film, optical sd, b&w 1950  
Producer USA

Title No. 182550 Rental \$5.00 Sale \$21.00

Shows how the manufacture and distribution of millions of paper-bound books in America makes various types of publications easily available for education or entertainment.

#### **BOOKS FOR EVERYONE**

20 min, 16mm film, optical sd, b&w 1958  
Producer USIA Agency No. 08-10561  
Title No. 182555 Rental: W/DRAWN Sale: W/DRAWN

Traces the evolution of pocket-books in Germany caused by the desire of the people for classical reading material.

#### **BORAX - CONSTRUCTION AND OPERATION OF A BOILING WATER REACTOR**

14 min, 16mm film, optical sd, b&w 1955  
Producer USAEC

Title No. 002948 Sale: W/DRAWN

Shows the construction and operation of a boilingwater reactor, and explains how electricity produced from this reactor was used experimentally for an hour in the summer of 1955 for light and power in Arco, Idaho, the first U.S. community to be lighted exclusively on a city-wide basis by atomic power.

#### **BORING HOLES WITH OFFSET BORING HEAD**

28 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 209  
Title No. 182950 Rental \$10.00 Sale \$48.75

Explains how to mount the workpiece on the milling machine table, how to bore with an offset boring head and how to use plug gages and a micrometer to check the center distance between the holes.

From the *MACHINE SHOP WORK* series. Operations on the Milling Machine, No. 7

**BORING TO CLOSE TOLERANCES**

17 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 059  
**Title No. 182975** Rental \$7.50 Sale \$30.50  
 Tells how to mount and adjust the brass valve bonnet in a ring fixture, how to rough- and finish-face the hub, how to rough- and finish-bore the hole to close tolerances and how to prevent bellmouth when boring.  
 From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 11

**BORN A MAN**

21 min, 16mm film, optical sd, b&w 1964  
**Producer USIA** Agency No. 01-02620  
**Title No. 183000** Rental: W/DRAWN Sale: W/DRAWN  
 A documentary account of the rehabilitation of an accident. Shows how his courage and efforts help him to complete training under federal, state and private programs which enables him to return to his job.

**BOUGAINVILLE**

9 min, 16mm film, optical sd, b&w 1948  
**Producer USA** Agency No. CHR-A-005  
**Title No. 183625** Sale \$15.75  
 Reports the landing operation and subsequent capture of Bougainville in 1943 by the American 37th Division, 14th Corps, and 3rd Marine Division.

**BOUNDARIES OF THE CAROTID TRIANGLE**

12 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-48A  
**Title No. 183750** Sale \$43.00  
 Demonstrates the boundaries of the carotid triangle.

**\*BOVINE CONTAGIOUS PLEUROPNEUMONIA**

28 min, 16mm film, optical sd, col 1956  
**Producer USDA** Agency No. 1236  
**Title No. 000712** Sale \$140.00  
 Reports the incidence of this destructive disease of cattle and depicts a detailed study of tissue and organs affected by the disease. Shows how this disease that threatened the American cattle industry 70 years ago is controlled by vaccination and other measures in Australia.

**BRAZING CARBIDE TOOLS**

18 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 241  
**Title No. 186350** Rental \$7.50 Sale \$32.00  
 Presents characteristics of carbide tools. Explains how to braze carbide tools with silver solder, make a sandwich braze, braze by other methods and remove the carbide tip from the shank.  
 From the **MACHINE SHOP WORK** series. Carbide Cutting Tools, No. 1

**BRAZING FLANGES WITH SILVER SOLDER**

12 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 104  
**Title No. 186355** Rental \$7.50 Sale \$28.50  
 Describes how tubing and silver brazing flanges are fitted, flux applied, heat applied to draw silver solder in and out, and flanges cleaned after soldering.  
 From the **SHIPBUILDING SKILLS** series. Copper- Smithing, No. 3

**BRAZING FLANGES WITH SPUTTER**

19 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 103  
**Title No. 186380** Rental \$7.50 Sale \$40.50  
 Illustrates how copper tubing is prepared for flanges, flanges fitted for brazing, Borax applied before brazing flanges, tube and flange brazed over a forge, and brazed flanges prepared for installation on the hull.  
 From the **SHIPBUILDING SKILLS** series. Copper- Smithing, No. 2

**\*BREAKTHROUGH**

26 min, 16mm film, optical sd, col 1960  
**Producer USDA** Agency No. 1407  
**Title No. 000718** Sale \$126.00  
 Designs to interest college science students in a career in

agricultural research. Shows the challenges offered in the research fields of farm economics, entomology, animal husbandry, animal disease and parasites, agricultural engineering, soil and water, and crops, and reveals the constant and continual probing and studying that are necessary before a 'breakthrough' can be achieved.

**BREAKTHROUGH - SEARCH FOR KNOWLEDGE**

20 min, 16mm film, optical sd, col 1964  
**Producer USAF** Agency No. SFP 1225  
**Title No. 187105** Rental \$10.00 Sale \$68.25  
 Reports on the Air Force's basic research program and its contributions to the space program. Illustrates how this program, under the jurisdiction of the Office of Aerospace Research, provides an endless source of knowledge to further our space efforts and to insure our national security and aerospace supremacy.  
CLEARED FOR TV.

**BREAKTHROUGH TO PROGRESS**

25 min, 16mm film, optical sd, b&w 1962  
**Producer USAF** Agency No. SFP 1091  
**Title No. 187100** Sale \$43.75  
 Plant manager Walter Britt, aggressive but idea-resistant, learns the value of employee suggestions when serious operational problems bog down production schedules.  
CLEARED FOR TV.

**\*BREAST DISEASES, THEIR IMPORTANCE ON YOUR DAILY PRACTICE**

11 min, 2x2 slide set, 1/4 in. audiotape, col 1973  
**Producer USNMAC** Agency No. S-2802  
**Title No. 003119** Sale \$8.00  
 Introduction of technique and procedure, valuable to other specialty groups.  
 From the **MAMMOGRAPHY** series.  
SUGGESTED FOR PROFESSIONAL GROUPS ONLY

**\*BREATH IN TIME, A**

27 min, 16mm film, optical sd, col 1961  
**Producer USBM**  
**Title No. 003566** Sale \$107.75  
 Shows many situations where the prompt application of artificial respiration can save a life. The various methods of artificial respiration, mouth-to-mouth, Holger-Nielson, Shaeffer and Sylvester are demonstrated, with emphasis on the mouth-to-mouth method.  
 PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4600 FORGES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**\*BRIAN AT SEVENTEEN**

30 min, 16mm film, optical sd, b&w 1971  
**Producer USNIMH**  
**Title No. 002005** Rental \$10.00 Sale \$40.75  
 Presents an adolescent's view of his educational needs and how school is and is not fulfilling them. Gives perspective of his educational experience, his parents, and life in general. Especially for the teacher and parent who find the current scene confusing.  
 From the **SOCIAL SEMINAR** series.

**BRIDGE FROM NOWHERE**

22 min, 16mm film, optical sd, col 1969  
**Producer USNIMH**  
**Title No. 187630** Rental: W/DRAWN Sale: W/DRAWN  
 Examines the present status of treatment for drug addiction, rehabilitation of addicts, and promising research projects. Narrated by Rod Steiger.  
 From the **DISTANT DRUMMER** series.

**BRIDGE RECTIFIER - VACUUM TUBE**

26 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-40  
**Title No. 187700** Sale \$54.75  
 Develops a knowledge of the vacuum tube bridge rectifier by

\* INDICATES NEW ENTRY

comparing it to the solid state bridge rectifier. Circuit components are discussed and current flow is traced. Computed voltages include peak in, peak of the secondary, peak output, and peak inverse. Shows the most common symptoms of malfunction in the circuit. (Kinescope)

#### BIDGE RECTIFIERS

34 min, 16mm film, optical sd, b&w 1965  
 Producer USAF Agency No. TVK 30-236  
 Title No. 187707 Sale \$70.50

Traces the development of the bridge rectifier, showing how the output voltage is affected by the various rectifier configurations. Components are identified and labeled. Current flow is traced and output waveshape is shown using a trainer and oscilloscope. Circuit voltages are computed, symptoms of malfunction are illustrated using the trainer and oscilloscope, and probable causes of these symptoms are discussed. (Kinescope)

#### BIDGE TO TOMORROW

19 min, 16mm film, optical sd, b&w 1964  
 Producer USIA Agency No. 01-02623  
 Title No. 187715 Rental: W/DRAWN Sale: W/DRAWN  
 Emphasizes American scientific education's goal of turning out well-rounded men and women. Specifically shows this philosophy in the integration of humanities into the science curricula at Massachusetts Institute of Technology, famous for scientific work and its international student body.

#### BING ME MEN

16 min, 16mm film, optical sd, col 1966  
 Producer USAF Agency No. SFP 1281  
 Title No. 188000 Sale \$55.00  
 Depicts academic, military and athletic programs of the U.S. Air Force Academy. Points out career opportunities for qualified young men.  
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#### BROACHING AN INTERNAL KEYWAY

23 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 236  
 Title No. 188650 Rental \$10.00 Sale \$40.50  
 Sets forth the principles of internal broaching and of broaching tool design. Explains how to select the broaching tool for the job and set up and operate the horizontal broaching machine.  
 From the MACHINE SHOP WORK series. Operations on a Broaching Machine, No. 1

#### BRONCHIOGENIC CARCINOMA

16 min, 16mm film, optical sd, col 1951  
 Producer USVA  
 Title No. 189390 Sale \$55.00  
 Explains the incidence of bronchiogenic carcinoma, its diagnostic features and surgical management. Points out that patients with bronchiogenic carcinoma can be cured if diagnosis and treatment are introduced at an early stage of the disease.

#### \*BROTHER

14 min, 16mm film, optical sd, col 1970  
 Producer USFAA Agency No. FA-01-71  
 Title No. 002006 Sale \$64.25  
 Features two Black men who have made it the aviation industry--pilot and an FAA executive. Through their eyes, stresses FAA's need to recruit bright young men and women into air traffic control and electronics maintenance. Offers honest portrayal of some of the problems minorities have encountered in trying to get jobs, and how FAA is paving the way to more enlightened hiring.

#### \*BRUCELLOSIS RING TEST

6 min, 16mm film, optical sd, col 1956  
 Producer USDA Agency No. 972-1  
 Title No. 189630 Sale \$37.00  
 Introduces the methods and techniques of a presumptive herd test for brucellosis.

#### BUILDING A BOX BEAM SPAR

21 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 297  
 Title No. 190855 Rental \$7.50 Sale \$43.25  
 Tells how to assemble parts of the spar in a jig, apply aircraft glue, clamp parts together for a good glue bond, varnish surfaces, and use jigs for accurate drilling.  
 From the AIRCRAFT WORK series. Wood Fabrication, No. 2

#### BUILDING A NATION

9 min, 16mm film, optical sd, col 1968  
 Producer USAF Agency No. SFP 1870  
 Title No. 191025 Sale \$60.75  
 Depicts civic action programs conducted by Air Force in Vietnam to help the people of that country raise standard of living. Shows educational, medical and recreational activities and construction projects.  
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#### BUILDING A WOODEN FMB

20 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 296  
 Title No. 191155 Rental \$7.50 Sale \$40.50  
 Describes how to assemble, fit, and glue wooden parts in a jig, fit and position the gussets to the framework, and apply aircraft glue and varnish.  
 From the AIRCRAFT WORK series. Wood Fabrication, No. 1

#### \*BUILDING FOOD SALES THROUGH BETTER MERCHANDISING

16 min, 16mm film, optical sd, col 1959  
 Producer USDA Agency No. 1366  
 Title No. 003926 Sale \$72.00  
 An excellent training tool for retailers or merchandising groups, the film presents a study of sales results obtained for different types of store displays of canned foods. Conclusion--there is a best way of displaying merchandise in terms of sales and upkeep.

#### BUILDING FOR ATOMIC ENERGY

21 min, 16mm film, optical sd, col 1958  
 Producer USAEC  
 Title No. 001501 Sale \$86.00  
 Covers the construction of the AEC's Savannah River plant, the largest single construction project ever undertaken by the AEC. Shows the major structural requirements created by the atomic production buildings, the various types of supporting buildings and structures, and the wide application of all phases of the construction industry required to build the plant.

#### \*BUILDING THE FIRE LINE

27 min, 16mm film, optical sd, col 1952  
 Producer USDA Agency No. 1094  
 Title No. 191525 Sale \$121.00  
 Shows a typical forest fire problem and the tactics used by the fire boss, foremen, and crews--locating the fireline, deployment of men, assignment of tools, and choice of effective control and suppression measures.  
 CLEANED FOR TV.

#### \*BUILDING THE FIRE LINE (SPANISH)

27 min, 16mm film, optical sd, col 1952  
 Producer USDA Agency No. 4335  
 Title No. 003791 Sale \$121.00  
 Shows a typical forest fire problem and the tactics used by the fire boss, foreman, and crews--including locating the fireline, deployment of men, assignment of tools, and choice of effective control and suppression measures.

#### \*BULGARIAN - BASIC COURSE, UNITS 1-15

23 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 001502 Sale \$74.75  
 For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.  
 OTHER FORMAT(S) OR VERSION(S)  
 37 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI

<b>Title No. 004039</b>	<b>Sale \$103.00</b>	
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.		
<b>*BULGARIAN - BASIC COURSE, UNITS 18-30</b>		
11 audiotape cassettes, 2-track, monaural		
Producer USFSI		
<b>Title No. 001503</b>	<b>Sale \$35.75</b>	
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.		
<b>OTHER FORMAT(S) OR VERSION(S)</b>		
20 1/4 in. audiotapes, full-track, monaural		
Producer USFSI		
<b>Title No. 004040</b>	<b>Sale \$55.75</b>	
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.		
<b>BULKHEAD, THE - LAYING OFF AND FITTING A CENTERLINE STIFFENER</b>		
16 min, 16mm film, optical sd, b&w	1945	
Producer USOE	Agency No. OE 031	
<b>Title No. 191655</b>	<b>Rental \$7.50 Sale \$33.25</b>	
Shows design of a centerline bulkhead stiffener. Tells how to lay out the main stiffener bar with the water-lines and work lines. Describes how to lay out, cut, and fit a main stiffener bracket and tripping brackets.		
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 8		
<b>BULKHEAD, THE - LAYING OFF THE BOUNDARY STIFFENERS, WATERLINES, AND BUTTOCK LINES</b>		
18 min, 16mm film, optical sd, b&w	1942	
Producer USOE	Agency No. OE 030	
<b>Title No. 191657</b>	<b>Rental \$7.50 Sale \$37.50</b>	
Illustrates how to align templates to a bulkhead plate, mark off stiffener work lines on the bulkhead plate, and prepare the plate for welding the stiffeners.		
From the SHIPBUILDING SKILLS series. Work Of Shipfitter and Shipwright, No. 7		
<b>BULKHEAD, THE - SETTING A TRANSVERSE WATERTIGHT BULKHEAD INTO THE HULL</b>		
17 min, 16mm film, optical sd, b&w	1942	
Producer USOE	Agency No. OE 032	
<b>Title No. 191659</b>	<b>Rental \$7.50 Sale \$36.50</b>	
Describes how to square a transverse bulkhead to a frame line and the centerline of the ship, set the bulkhead to proper height and declivity, cut the bulkhead to fit the innerbottom, and fit the bulkhead to the hull and tack-weld it.		
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 9		
<b>*BUNNY</b>		
16 min, 16mm film, optical sd, b&w	1971	
Producer USNIMH		
<b>Title No. 002007</b>		
Sold only as part of a series. Portrays a young college student who smokes marihuana from time to time, usually with friends, for social relaxation. Raises such questions as--why does she turn on? How does she view drug culture? To what extent does the occasional use of marihuana effect her lifestyle, ambitions, and self-perception?		
From the PROFESSIONAL DRUG FILMS series and Social Seminar Series.		
<b>BUOYS AND BEACONS</b>		
10 min, 16mm film, optical sd, col	1944	
Producer USN	Agency No. MN00202AB	
<b>Title No. 192325</b>	<b>Sale \$34.00</b>	
Explains the functions and distinguishing features of buoys and beacons--color, numbering, shape, and characteristics of lights, and shows how to identify each type.		
<b>BURGLARY IS YOUR BUSINESS</b>		
15 min, 16mm film, optical sd, col		1969
Producer USSBA		
<b>Title No. 192460</b>	<b>Rental \$10.00 Sale \$51.75</b>	
Through an investigation by a police department detective following a burglary at a home furnishings/appliance store, points out security measures which retailers should take to prevent burglaries.		
<b>*BURNING ISSUE</b>		
14 min, 16mm film, optical sd, col		1962
Producer USDA	Agency No. 1757	
<b>Title No. 003927</b>	<b>Sale \$66.00</b>	
Tells the provocative story of a magazine writer covering a major forest fire in the south. Makes his public understand just how important their forests are, and why they must be saved. Shows many dramatic fires and firefighting scenes.		
<b>BUS CARE AND MAINTENANCE</b>		
13 min, 16mm film, optical sd, b&w		1945
Producer USOE	Agency No. OE 494	
<b>Title No. 192540</b>	<b>Rental \$7.50 Sale \$23.75</b>	
Shows importance of daily and weekly maintenance checks. Tells how to start, steer, and stop the bus. Describes how to double clutch and the importance of safe driving habits. From the AUTOMOTIVE series. School Bus Operation, No. 1		
<b>*BUSINESS PLAN, THE - FOR SMALL BUSINESSMEN</b>		
15 min, 16mm film, optical sd, col		1972
Producer USSBA		
<b>Title No. 003510</b>	<b>Rental \$10.00 Sale \$64.25</b>	
Dramatizes through a dialogue between two small businessmen, the need for and elements in a business plan as a management tool for successful business operation.		
<b>BUT HOW DOES IT FLY</b>		
25 min, 16mm film, optical sd, col		1969
Producer USAF	Agency No. SFP 1652	
<b>Title No. 193001</b>	<b>Sale \$101.75</b>	
Explains in complete details the test engineering activities at the Air Force Systems Command Flight Test Center. LIMITED TO PROFESSIONALLY INTERESTED GROUPS ONLY.		
<b>C-5 PRODUCTS OF SPACE RESEARCH - SELECTED EXAMPLES</b>		
17 min, 16mm film, optical sd, col		1967
Producer USNASA	Agency No. HQ 179	
<b>Title No. 193575</b>	<b>Sale \$61.50</b>	
Demonstrates recent industry applications of aeronautical and space technology and the resulting new or improved products and techniques. Illustrates the use of computers to improve X-ray photographs, application of tire hydroplaning studies to highway safety, and new tools for diagnosing muscle disease.		
<b>C-5 GALAXY - WORLD'S LARGEST AIRCRAFT</b>		
28 min, 16mm film, optical sd, col		1969
Producer USAF	Agency No. SFP 1768	
<b>Title No. 193605</b>	<b>Sale \$113.50</b>	
Relates the story of an aviation milestone, the C-5 galaxy. Tells the advantages of the aircraft.		
<b>CABLE SURFACE WIRING</b>		
17 min, 16mm film, optical sd, b&w		1944
Producer USOE	Agency No. OE 377	
<b>Title No. 193625</b>	<b>Rental \$7.50 Sale \$30.50</b>	
Illustrates how to make an electrical entrance to a building, install nonmetallic sheathed cable, handle and install porcelain fittings, support and connect cable, and prepare and connect wires for service.		
From the ELECTRICAL WORK series. Wiring, No. 10		
<b>CADET HONOR CODE, THE</b>		
28 min, 16mm film, optical sd, col		1967
Producer USAF	Agency No. SFP 1657	
<b>Title No. 193725</b>	<b>Sale \$94.50</b>	
Defines Air Force cadet honor code and its administration by Academy cadets. Discusses significance of the code in helping to develop men of responsibility and integrity. Stresses importance of the code to the cadet, to the Air Force and to		

national interest. Offers statements from several cadets describing meaning of code to them.

CLEARED FOR TV.

#### **CADET WINGS IN CIVIL AIR PATROL**

15 min. 16mm film, optical sd, col 1966  
Producer USAF Agency No. SFP 1532  
Title No. 193735 Rental \$7.50 Sale \$51.75  
Depicts the New CAP flight training program conducted jointly with Federal Aviation Agency and Air Force. Shows how cadets undergo intensive physical fitness, classroom, and in-flight instruction before receiving their wings at graduation exercises. Cites value of program in creating a reservoir of young men trained for Air Force duties.

CLEARED FOR TV.

#### **CALENDAR GAME, THE**

14 min. 16mm film, optical sd, col 1967  
Producer USSBA  
Title No. 194215 Rental \$10.00 Sale \$47.00  
Emphasizes the need for planning and budgeting by small retail and service businesses.

#### **CALIBRATION OF THE PLATINUM RESISTANCE THERMOMETER**

16 min. 16mm film, optical sd, col 1964  
Producer USNBS  
Title No. 194301 Sale \$55.00  
Shows the National Bureau of Standards procedure for calibrating a platinum resistance thermometer at the specified defining points on the international practical temperature scale. Along with the procedure, the unique and intricate equipment used at NBS for calibrating at the defining points is seen. Film is intended primarily for scientists, engineers, and technicians in Standards and Calibration laboratories.

#### **\*CAMBODIAN - BASIC COURSE, UNITS 1-45**

19 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004038 Sale \$61.75  
Cassettes and accompanying text are both available for \$63.75.

##### **OTHER FORMAT(S) or VERSION(S)**

45 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004041 Sale \$125.25  
Tape set and accompanying text are both available for \$127.25.

#### **\*CAMBODIAN - BASIC COURSE, UNITS 46-90**

29 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004042 Sale \$94.25  
Cassettes and accompanying text are both available for \$97.50.

##### **OTHER FORMAT(S) or VERSION(S)**

29 min. 1/4 in. audiotape, 2-track, monaural  
Producer USFSI  
Title No. 004043 Sale \$81.00

#### **\*CAN WE HAVE A LITTLE QUIET PLEASE?**

15 min. 16mm film, optical sd, col 1971  
Producer USFAA Agency No. FA-02-71  
Title No. 002008 Sale \$66.00  
Illustrates how government and industry are cooperating to reduce aircraft smoke emissions and noise, particularly around airports, and describes technical improvements that have led to jet engine sound abatement procedures. Emphasizes that more enlightened land use planning in airport neighborhoods can make aviation compatible, and not competitive, with other community interests.

#### **CANADA**

18 min. 16mm film, optical sd, b&w 1953  
Producer USA Agency No. AFIF 0043  
Title No. 197050 Sale \$38.50  
Explains Canada's geography, history, way of life, industries, economy, government, and current role in world affairs.

CLEARED FOR TV.

#### **CANAVERAL TO KENNEDY**

8 min. 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 016  
Title No. 198151 Sale \$32.50  
A pictorial history of the Kennedy Space Center, from the first firing in 1951 until the present. Contrasts primitive launch facilities from the first firing in 1951 to the complex areas used in the Apollo program.  
From the APOLLO DIGEST series.

CLEARED FOR TV.

#### **CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 1**

40 min. 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1832-X  
Title No. 198201 Sale \$77.50  
Theorizes that cancer chemotherapeutic agents are capable of palliating symptoms and prolonging lifespan in patients with an increasing number of cancer types. (Kinescope)  
From the BOSTON MEDICAL REPORTS series.

#### **CANCER CHEMOTHERAPY - PRACTICAL CONSIDERATIONS, PT 2**

40 min. 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1833-X  
Title No. 198202 Sale \$77.50  
Explains that chemotherapy, though not a cure, can effect a significant prolongation of a symptom-free lifespan in over eighty percent of children with acute leukemia. Stresses that adults are less responsive, but may react to a combination of agents. (Kinescope)  
From the BOSTON MEDICAL REPORTS series.

#### **CANCER EDUCATION**

11 min. 16mm film, optical sd, b&w 1950  
Producer USIA Agency No. 08-10766  
Title No. 198205 Rental: W/DRAWN Sale: W/DRAWN  
Shows the operation of a mobile X-ray clinic in the south. Includes alerting the townspeople of its arrival, X-raying of all citizens, education toward self-examination and various checks made for cancer.

#### **CANNING BEEF**

17 min. 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 455  
Title No. 198451 Rental \$7.50 Sale \$30.50  
Tells how to prepare soup stock, preheat beef, pack hot beef in cans, seal the cans, process canned beef, and cool and dry the cans before packing.  
From the FARM WORK series. Food Preservation, No. 2

#### **\*CANTONESE - BASIC COURSE, UNITS 1-15**

15 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004044 Sale \$48.75  
Cassettes and accompanying text are both available for \$52.25.

##### **OTHER FORMAT(S) or VERSION(S)**

29 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004045 Sale \$81.00  
Tape set and accompanying text are both available for \$83.50.

#### **\*CANTONESE - BASIC COURSE, UNITS 16-30**

15 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004046 Sale \$48.75  
Cassettes and accompanying text are both available for \$52.25.

##### **OTHER FORMAT(S) or VERSION(S)**

30 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004047 Sale \$83.50  
Tape set and accompanying text are both available for \$87.00.

\* INDICATES NFW ENTRY

**CAPACITANCE**

31 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN01540A  
Title No. 198549 Rental \$10.00 Sale \$53.50  
Demonstrates electron flow through a circuit, the charging and discharging of condensers, variations of a charge on a condenser in relation to time, and the behavior of capacitance with alternating current.

**CAPACITANCE, PT 1, PHYSICAL AND ELECTRICAL CHARACTERISTICS AND FACTORS AFFECTING CAPACITANCE**

29 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF11-3627  
Title No. 001643 Sale \$50.25  
Explains the characteristics, applications, functioning, and effects of capacitance on electronic circuits.

**CAPACITORS**

38 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-209  
Title No. 198600 Sale \$78.50  
Defines electrostatic field and dielectric. Describes air, paper, oil, electrolytic, and ceramic type capacitors as to their construction and general usage. Gives the unit for measuring capacitance, the 'Farad,' and examples of computing capacitance. Discusses the factors of dielectric, plate area, and distance between plates which affect the value of capacitance, and their effect on capacitance. Defines voltage ratings and explains the factors which affect the voltage ratings of capacitors. (Kinescope)

**CAPACITORS - DC-AC ACTION**

20 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-210A  
Title No. 198602 Sale \$42.50  
Describes the action of a capacitor when DC is applied and when AC is applied. Describes and illustrates the phase relationship between voltage and current in a capacitor when AC is applied. Compares the voltage and current relationship in an inductive and capacitive circuit. (Kinescope)

**CAPACITORS - REACTANCE AND TOTAL CAPACITANCE**

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-210B  
Title No. 198605 Sale \$54.75  
Defines capacitive reactance and gives its symbol. Gives the formula and various examples for computing capacitive reactance when frequency and capacitance are known. Shows the method of solving for total capacitance in both series and parallel circuits. (Kinescope)

**CAPE KENNEDY 1964**

27 min, 16mm film, optical sd, col 1965  
Producer USAF Agency No. SFP 1460  
Title No. 198585 Sale \$91.25  
Reviews satellite launching with closeup of ranger Moon probe. Cites important gains in our space data and identifies key Cape Kennedy personnel. Traces booster improvements and missile program advances.  
Cleared for TV.

**CAPE KENNEDY 1965**

27 min, 16mm film, optical sd, col 1965  
Producer USAF Agency No. SFP 1487  
Title No. 198586 Sale \$91.25  
Reviews advances in missile and satellite science at Cape Kennedy. Describes improvements in Polaris, Ranger, Saturn-Pegasus, Apollo, and Titan III projects with focus on five important Gemini flights.  
Cleared for TV.

**CAPITAL STORY**

20 min, 16mm film, optical sd, b&w 1945  
Producer USOWIO  
Title No. 198900 Rental \$7.50 Sale \$42.50  
Shows the relationship between industry and science. Pictures some functions of the U.S. Public Health Service. Follows the activities of a research chemist, explaining the processes used in chemical analysis.

**CAPSIZING, SINKINGS AND FALLS OVERBOARD**

14 min, 16mm film, optical sd, col 1968  
Producer USCG  
Title No. 199115 Sale \$52.00  
Shows causes and prevention of sinkings, capsizings, and falls overboard. Discusses buoyant effect and stability of pleasure boats.  
Cleared for TV.

**CAPUCHINO STORY, THE**

14 min, 16mm film, optical sd, b&w  
Producer USOE Agency No. OE 509  
Title No. 199475 Rental \$7.50 Sale \$25.50  
Documents a research study using programmed instruction in several classes in government in Capuchino High School, San Bruno, California in 1962. Depicts various stages of the study with particular emphasis on contributions made consistently by teachers throughout the entire study.

**CARBIDE WOODWORKING TOOLS - CARE GRINDING**

13 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07977A  
Title No. 199530 Sale \$23.75  
Shows how to store and issue carbide woodworking tools, how to handle them for transporting, and how to grind them. Discusses advantages and special characteristics of the tools.

**CARBIDE WOODWORKING TOOLS - HOW TO USE**

15 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07977B  
Title No. 199532 Sale \$27.00  
Demonstrates the correct use of cemented carbide tools on the vertical spindle shaper, table saw, over-arm radial saw, straight line r., saw, trim saw, bandsaw, lathe, portable router, and multiple head moulder. Shows the method of setting up each machine and safety precautions to be observed.

**CARBURETOR, PRINCIPLES OF OPERATION**

25 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF09-2253  
Title No. 001505 Sale \$43.75  
Explains the major components of a carburetor (bore, bowl, and air throttle). Tells how air pressure differential is utilized. Shows application of the Venturi principle, metering, atomization, vaporization and the operation of carburetor circuits (floats, low speed, high speed, accelerator pump, and choke).

**\*CARDBOARD COW**

15 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 1547  
Title No. 200100 Sale \$70.00  
Depicts through the eyes of a little girl the scientific and technological revolution in agriculture. Shows how the results, by-products and benefits of agricultural research affect both town and city.

**CARE AND MAINTENANCE OF TAPERED ROLLER BEARINGS**

31 min, 16mm film, optical sd, b&w 1941  
Producer USA Agency No. TF11-0257  
Title No. 200185 Sale \$53.50  
Explains how to disassemble, clean, inspect, lubricate, and reassemble tapered roller bearings.

**\*CARE AND USE OF A PERMISSIBLE FLAME SAFETY LAMP, THE**

28 min, 16mm film, optical sd, col 1967  
Producer USBM  
Title No. 003565 Sale \$113.50  
Portrays a brief history and early use of the flame safety lamp, a device used for detecting the presence of methane gas and oxygen deficiency in underground mines. In addition, explains the construction of the lamp and how it works.  
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**CARE OF A TRACTOR**

22 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 414  
Title No. 200350 Rental \$7.50 Sale \$39.50  
Shows day-by-day operating care of a tractor and importance of periodic inspections. Describes parts of the tractor, including cooling system, fuel system, and ignition system.  
From the FARM WORK series. Equipment Maintenance, No. 6

**CARE OF THE CARDIAC PATIENT**

33 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 419  
Title No. 200525 Rental \$10.00 Sale \$56.75  
Describes nursing care given a cardiac patient, including comfort, rest, sleep, diet, feeding, elimination, cleanliness, and diversional and occupational therapy.  
From the NURSING series.

**CARE OF THE NEWBORN BABY - THE NURSE'S ROLE IN INSTRUCTING THE PARENTS**

31 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 412  
Title No. 200650 Rental \$10.00 Sale \$53.50  
Tells nurse's functions and duties in teaching parents to care for newborn babies. Shows what the nurse can do in the home, clinic, and hospital. Describes how to hold, dress, bathe, and feed a baby.  
From the NURSING series.

**CARE OF THE PATIENT WITH DIABETES MELLITUS COMPLICATED**

23 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 418  
Title No. 200660 Rental \$10.00 Sale \$40.50  
Tells nurse's role in the diagnosis and treatment of coma and insulin shock. Describes the role of the nurse, doctor, dietitian, and psychiatrist in assisting the patient to develop a healthy mental attitude toward his condition.  
From the NURSING series.

**CARE OF THE PATIENT WITH DIABETES MELLITUS UNCOMPLICATED**

29 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 417  
Title No. 200662 Rental \$10.00 Sale \$50.25  
Describes symptoms of diabetes and tells how the nurse teaches the patient to administer insulin injections, regulate diet, and make the Benedict test for sugar in the urine.  
From the NURSING series.

**CARE OF THE PATIENT WITH HYDROCEPHALY**

35 min, 35mm film strip 1/4 in. audiotape col 1967  
Producer USNMAC Agency No. F-1470-X  
Title No. 001506 Sale \$10.00  
Describes how the patient with hydrocephaly is cared for at the Plymouth State Home and Training School, Northville, Michigan. It presents some of the physical descriptions of the head and spinal cord.

**CARE OF THE SICK AND INJURED BY HOSPITAL CORPSMEN - CHAIN OF ASEPSIS**

28 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN01511F  
Title No. 200670 Sale \$48.75  
Designed to indoctrinate hospital corpsmen in sterile techniques and its absolute necessity. Emphasizes importance of sterile linens, pre-operative preparation of the patient, scrub technique, preparation of the operating room, chain of asepsis during an operation.

**CAREER DEVELOPMENT**

7 min, 16mm film, optical sd, b&w  
Producer USOE  
Title No. 200850 Sale: W/DRAWN  
Shows the career opportunities available to a teacher's aide.  
From the TEAMS FOR LEARNING series.

**\*CAREER EDUCATION**

21 min, 16mm film, optical sd, col 1973  
Producer USOE  
Title No. 003513 Sale \$85.75  
Provides information on the need for restructuring the total educational system to make it relevant in meeting today's needs and the needs of the future. Public education must be focused around the theme of career development in order to achieve this goal.

**CAREERS IN OCEANOGRAPHY**

28 min, 16mm film, optical sd, col 1965  
Producer USN Agency No. MN 10063  
Title No. 201400 Sale \$94.50  
Presents the challenge and adventure of oceanography and its vital importance to defense and the economy.

**CAROTID TRIANGLE**

20 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D49A  
Title No. 006420 Sale: W/DRAWN  
Demonstrates, on a cadaver, the boundaries of the carotid triangle and exposes the important structures contained therein.

**\*CAROTID TRIANGLE, THE**

12 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-49A  
Title No. 202450 Sale \$41.50  
Demonstrates the deep dissection of the carotid triangle and illustrates major structures with a series of drawings.

**CARPENTRY, PT 01, MEASURING, MARKING AND LEVELING TOOLS**

18 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF05-3548  
Title No. 202560 Sale \$35.25  
Teaches the use, capabilities, and care and maintenance of the carpentry hand tools commonly used for measuring, marking, and leveling.

**CARPENTRY, PT 02, CHOPPING AND DRIVING TOOLS**

14 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF05-3549  
Title No. 001507 Sale \$27.00  
Teaches the use, capabilities, care and maintenance, and safety measures pertaining to the carpentry hand and power tools used for chopping and driving.

**CARPENTRY, PT 03, SAWING AND BORING TOOLS**

33 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF05-3550  
Title No. 202562 Sale \$58.75  
Teaches use, capabilities, care and maintenance, and safety measures pertaining to the hand power tools commonly used in carpentry for sawing and boring.

**CARPENTRY, PT 04, PLANING AND CHISELING TOOLS**

11 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF05-3551  
Title No. 202563 Sale \$19.25  
Features and use of bench plane and framing chisel and demonstration of cleaning, sharpening, smoothing, oiling and proper storage are shown.

**CARRIER ACTION OFF KOREA**

13 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN09272  
Title No. 202575 Sale \$23.75  
Shows activities of U.S. Navy airplane carriers and planes during the Korean war.

**CASE METHOD OF INSTRUCTION, THE, PT 1**

19 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TF20-2834  
Title No. 203100 Sale \$33.75  
Shows principles, application and value of method, role of instructor, and how issues of case in point and plausible solutions grow out of discussion process.

**CASE METHOD OF INSTRUCTION, THE, PT 2**

23 min, 16mm film, optical sd, b&w 1959  
**Producer USA** Agency No. TF22-2835  
**Title No. 203101** Sale \$40.50

Shows how one instructor handles a case discussion concerning the relationship between the commanding officer of a supply depot and his executive officer. The instructor assigns the various roles of the persons involved in the case to the students in order to maximize class participation in the ensuing discussion. The important issues of the cases are developed in the discussion process. The instructor reviews the facts and the class reaches its conclusions as to the best course of action to resolve the problem.

**CASE METHOD OF INSTRUCTION, THE, PT 3**

19 min, 16mm film, optical sd, b&w 1959  
**Producer USA** Agency No. TF22-2836  
**Title No. 203102** Sale \$33.75

Shows how another instructor handles a second case discussing - the value of the case method in training executives and logistic managers in reiterated.

**CASE OF COMRADE T, THE**

23 min, 16mm film, optical sd, col 1956  
**Producer USDOD** Agency No. DOD IS 01  
**Title No. 000371** Sale \$78.25

Tells of a Communist agent who is reprimanded by his superiors for his failure to secure secret information from industrial plants and of his explanation, through flashbacks, of specific instances of successes and failures.

**CATALASE TEST, THE**

6 min, 16mm film, optical sd, col  
**Producer USNMAC** Agency No. M-1754  
**Title No. 203575** Sale \$25.50

Demonstrates a simple and rapid test for differentiating catalase positive from catalase negative organisms.

**CATHETERIZATION OF THE PARALYTIC PATIENT**

5 min, 16mm film, optical sd, col 1965  
**Producer USNMAC** Agency No. M-0964  
**Title No. 203724** Sale \$18.00

Shows the technique used in catheterizing a paralytic patient. Content--(1) precautions to prevent infection, (2) complete procedure of inserting and operating catheter.

**CATHODE FOLLOWER**

26 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-434  
**Title No. 203750** Sale \$54.75

Discusses the purpose of a cathode follower and describes its identifying features. Explains purpose of a resistor and capacitor in the plate circuit. Shows the phase relationship of the input and output signals, and problems to determine voltage and power gain are solved. Shows the frequency response and reasons for the wide frequency response. (Kinescope)

**CATHODE RAY TUBE, THE - HOW IT WORKS**

15 min, 16mm film, optical sd, b&w 1943  
**Producer USN** Agency No. MN 2104A  
**Title No. 203900** Rental \$7.50 Sale \$27.00

Demonstrates the construction and function of various parts of the cathode ray tube. Explains electrostatic and electromagnetic deflection and how varied currents affect the position of the spot of light on the scope.

**\*CAUSE FOR CONCERN, A**

23 min, 16mm film, optical sd, col 1970  
**Producer USN** Agency No. MN10983  
**Title No. 204493** Sale \$76.75

Illustrates community relations existing between the naval Training Center, Bainbridge and the city of Baltimore during project Camp Concern.

**\*CAUSES AND PREVENTION OF MINE FIRES AND EXPLOSIONS**

27 min, 16mm film, optical sd, col 1966  
**Producer USBM**  
**Title No. 003564** Sale \$111.50

Illustrates and explains the various possible causes of mine

fires and explosions. Demonstrates an actual explosion at the Bureau of Mines experimental coal Mines and illustrates methods of prevention.

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**CAVITY PREPARATION**

11 min, 16mm film, optical sd, col 1948  
**Producer USN** Agency No. MN05369B  
**Title No. 000372** Sale \$37.25  
 Complete operation supplemented by animated models showing close views and cavity forms.

**CAVITY RESONATORS**

28 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-908  
**Title No. 204801** Sale \$58.50  
 Defines a cavity resonator and shows the step-by-step development of a cylindrical cavity resonator. Explains how the physical dimensions and shape of the cavity determine the primary resonant frequency. Explains that energy in a cavity is comprised of electric fields and magnetic fields, and how to distinguish between the two. Using a model of a cavity resonator, demonstrates capacitive and inductive tuning of a cavity resonator. (Kinescope)

**CD EMERGENCY PREPAREDNESS AT THE MARSHALL SPACE FLIGHT CENTER**

15 min, 16mm film, optical sd, col 1969  
**Producer USOCD**  
**Title No. 204805** Sale \$60.00  
 Includes basic elements of civil defense program, such as warning, shelters, the emergency broadcast system (EBS), radiological defense (RADEF), shelter manager training, communications, community shelter planning, and a simulation of persons going to shelter. Shows a mock attack exercise at the Marshall Space Flight Center at Huntsville, Alabama.  
 NOT CLEARED FOR TV.

**CELEBRATIONS**

19 min, 16mm film, optical sd, col 1966  
**Producer USIA** Agency No. 01-02631  
**Title No. 205155** Rental: W/DRAWN Sale: W/DRAWN  
 Shows celebrations which are retained from the 'old country' by Americans of diverse ethnic and national origins. Includes the Feast of San Gennaro, Blessing of the Animals, the Chinese New Year, zuni Indian Dances, the Mexican Pinata festival, and an Italian-American wedding.

**CELESTIAL GUIDANCE FOR FIGHTER PILOTS**

21 mi. 16mm film, optical sd, b&w 1957  
**Producer USAF** Agency No. TF01-5120  
**Title No. 205180** Sale \$37.00  
 Describes techniques and procedures necessary for a fighter pilot to determine his exact location and reach his destination with pin-point accuracy with only the stars to guide him. Explains mathematical and measuring procedures, course line and speed line, line of position, sextant reading, and the importance of posting correct time and similar information on celestial work-sheets. Shows a night celestial training mission of an F84f to illustrate pre-flight preparations and actual flight procedures.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

**CELLULAR AND MOLECULAR ASPECTS OF THE IMMUNE RESPONSE**

43 min, 16mm film, optical sd, b&w 1969  
**Producer USNMAC** Agency No. T-1508  
**Title No. 205750** Sale \$88.00  
 Presents a lecture on various types of immune responses to different classes of antigens, and explores the cellular and molecular events involved. (Kinescope)

<b>CENTERING SMALL STOCK</b>			
12 min, 16mm film, optical sd, b&w	1942		
Producer USOE	Agency No. OE 039		
Title No. 206050	Rental \$7.50 Sale \$22.25		
Shows the tools and methods used when locating the center of round, square and rectangular pieces.			
From the MACHINE SHOP WORK series. Bench Work, No. 7			
<b>CENTERING, EDGE GRINDING AND BEVELING</b>			
27 min, 16mm film, optical sd, b&w	1944		
Producer USOE	Agency No. OE 185		
Title No. 206075	Rental \$10.00 Sale \$47.00		
Tells how to center lenses by collimator, set up lenses for edge-and bevel-grinding in single spindle or two spindle machine, and edge- and bevel-grind lenses.			
From the OPTICAL CHAFTMANSHIP series. Spherical Surfaces			
<b>CENTERS OF LEARNING</b>			
30 min, 16mm film, optical sd, col	1961		
Producer USIA	Agency No. 01-02799		
Title No. 206080	Rental: W/DRAWN Sale: W/DRAWN		
Shows such representative types of U S institutions of higher learning as University of Pittsburgh, Colorado School of Mines, Goucher College for Women, California Institute of Technology, Wittenberg University and Harvard. Stresses freedom of choice for students and freedom of universities to teach without restriction.			
<b>CENTRIFUGAL AIR CONDITIONING EQUIPMENT PRINCIPLES AND OPERATIONS</b>			
20 min, 16mm film, optical sd, col	1969		
Producer USN	Agency No. MN10344A		
Title No. 206436	Sale \$80.25		
Describes operating principles of centrifugal air conditioning equipment.			
<b>CERAMIC FUEL FABRICATION DEVELOPMENT FOR PRTR</b>			
27 min, 16mm film, optical sd, col	1962		
Producer USAEC			
Title No. 001508	Sale \$162.50		
Gives a detailed technical explanation of three processes developed by hanford laboratories for the fabrication of UO-2 fuel elements used in the plutonium recycle test reactor (PRTR).			
<b>CERAMICS IN SPACE</b>			
20 min, 16mm film, optical sd, col	1968		
Producer USNASA	Agency No. HQ 142		
Title No. 206759	Sale \$80.00		
Shows the use of ceramics as a typical field of scientific study, shows how a graduate student develops the academic discipline needed to conduct original research including--search of scientific literature, definition of the problem, design, and analysis.			
<b>*CERTAIN BREED OF MAN, A</b>			
28 min, 16mm film, optical sd, col	1971		
Producer USN	Agency No. MN-11207		
Title No. 002009	Sale \$113.50		
Shows the Naval Air Reserve Carrier Attack Wing 20 aboard the U S S John F Kennedy.			
<b>*CERTAIN DISTANCE, A</b>			
29 min, 16mm film, optical sd, col	1970		
Producer USDA	Agency No. 10106		
Title No. 003790	Sale \$120.00		
Covers bark beetle damage in South Dakota, range inventory in Colorado, smog damage to forests in California, and forest inventory in the Mississippi Valley using initial photos from the Apollo IX space orbit. The film can also be useful in a general introduction to the subject of remote sensing from airplanes.			
<b>CHALLENGE OF IDEAS, THE</b>			
31 min, 16mm film, optical sd, b&w	1961		
Producer USDOD	Agency No. AFIF 0098		
Title No. 207570	Rental \$10.00 Sale \$53.50		
Analyzes the basic ideological differences between 'the American way' and the Communist state. Describes the objectives and techniques used by the USSR to influence the			
peoples of the world and emphasizes the importance of keeping the United States strong spiritually and morally.			
<b>CHALLENGE OF THE UNKNOWN, THE</b>			
25 min, 16mm film, optical sd, col	1967		
Producer USAF	Agency No. SFP 1542		
Title No. 027860	Rental \$12.50 Sale \$84.75		
Depicts Air Force scientific research activities on matter, energy, life and the atom. Points out the wonders of science and developments. Describes progress in missile, aircraft and space projects.			
CLEARED FOR TV.			
<b>CHALLENGE OF UNANSWERED QUESTIONS, THE</b>			
16 min, 16mm film, optical sd, col	1968		
Producer USNASA	Agency No. HQ 148		
Title No. 207865	Sale \$64.25		
Presents the principal features of the aurora--one of the most mysterious and fascinating of natural phenomena. Shows the theories of its cause and the instruments and techniques used in studying it. Shows the life and experiences of a graduate student working under DR. Sydney Chapman at the Geophysical Institute, University of Alaska.			
<b>*CHALLENGING CAREERS IN CHEMISTRY</b>			
24 min, 16mm film, optical sd, col	1962		
Producer USDA	Agency No. 1407-1		
Title No. 208150	Sale \$103.00		
Discusses the role of chemists in the creation of new products for industry from agricultural commodities. Shows the types of research conducted by the Department of Agriculture. Includes the development of lifesaving pharmaceuticals from corn and a workable technique for removing dangerous radio-nuclides from milk on a commercial scale.			
<b>CHANCE TO BE SOMEBODY, A</b>			
28 min, 16mm film, optical sd, col	1965		
Producer USOEO			
Title No. 001509	Sale \$71.25		
Describes a staff and teacher recruiting film designed for community public relations and trainee recruiting. Also shows the residential actualities of a Job Corps center.			
<b>*CHANGING</b>			
30 min, 16mm film, optical sd, col	1971		
Producer USNIMH			
Title No. 002010	Rental \$12.50 Sale \$78.50		
Demonstrates the quality of life as its impact is felt by a young family trying to reorient themselves in a society of conflicting standards and values. Hardhat, hippie, square, straight--the terms become blurred when you just try to find the lifestyle that suits you best. Puts the drug question in perspective as it relates to adults and the total society.			
From the SOCIAL SEMINAR series.			
<b>CHAPLAIN AND THE COMMANDER, THE</b>			
29 min, 16mm film, optical sd, b&w	1962		
Producer USA	Agency No. TV 532		
Title No. 209624	Sale: W/DRAWN		
Depicts the role of the Army chaplain--his religious services, pastoral activities, and duties as a staff officer.			
From the BIG PICTURE series.			
<b>OTHER FORMAT(S) OR VERSION(S)</b>			
29 min, 16mm film, optical sd, b&w	1962		
Producer USA	Agency No. TF16-3202		
Title No. 209625	Sale \$50.25		
<b>CHARACTERISTICS OF CRYSTALS</b>			
22 min, 16mm film, optical sd, b&w			
Producer USAF	Agency No. TVK 30-513		
Title No. 209755	Sale \$46.25		
Stresses the importance of frequency stability and introduces the crystal controlled oscillator as a possible device used to obtain this stability. Explains the piezoelectric effect of a crystal, lists types of crystals having the piezoelectric effect, and points out the relationship between crystal thickness and frequency. Explains and shows graphically the various crystal cuts. Explains the Q of the crystal circuit and discusses both the physical dimensions and electrical characteristics of a typical crystal. (Kinescope)			

**CHARGING AND OPERATING A CUPOLA**

14 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 437  
**Title No. 209975** Rental \$7.50 Sale \$25.50  
 Describes essential parts of the cupola. Lists steps to follow in firing, charging and operating a cupola and explains the cycle of operations involved in the melting process.  
 From the *FOUNDRY WORK* series. Melting Practice

**CHARGING STORAGE BATTERIES**

16 min, 16mm film, optical sd, b&w 1943  
**Producer USA** Agency No. TF11-1219  
**Title No. 210050** Sale \$28.50  
 Explains the charging, care, and preparation of storage batteries, and constant voltage methods and modifications.

**CHARLEY RUSSELL'S FRIENDS**

10 min, 16mm film, optical sd, col 1959  
**Producer USIA** Agency No. 01-02449  
**Title No. 210502** Rental: W/DRAWN Sale: W/DRAWN  
 Depicts Charley Russell's paintings of the West as he knew and loved it which reveal the American cowboy artist's traits and show people who were his friends. Includes the dedication, attended by Montana's two senators, of a statue of Russell which has been placed in statuary hall in Washington, D.C.

**CHARLIE**

22 min, 16mm film, optical sd, col 1967  
**Producer USFAA** Agency No. FA-0618  
**Title No. 210550** Sale \$80.25  
 As the narrator of this dramatic presentation says-people do drink and fly, and they do get away with it. Dr. Charlie Preston works hard but he also knows when to let up. And like a lot of us, he does enjoy a drink. The fact is that a man's judgment is changed by alcohol-even a little of it.  
 CLEARED FOR TV.

**\*CHART STORY, A**

2 min, 8mm cartridge, optical sd, col  
**Producer USBEH**  
**Title No. 003379** S.L. \$16.75  
 Sold only in a cartridge with I wanna know. Presents short insights into home and school education of the profound hearing impaired.

**CHARTS**

18 min, 16mm film, optical sd, b&w 1942  
**Producer USN** Agency No. MN00083B  
**Title No. 210700** Rental \$7.50 Sale \$32.00  
 Explains the meaning, advantages, and limitations of mercator, gnomonic, and lambert conformal projections.

**CHECKING AND REPLACING A FLOAT VALVE**

19 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 445  
**Title No. 210950** Rental \$7.50 Sale \$33.75  
 Describes the functions of two basic types of float valves-high side float and low-side float. Explains how to correct troubles in both types and how to replace high-side float.  
 From the *REFRIGERATION SERVICES* series. Domestic Units, No. 8

**CHECKING THE SYSTEM, PT 1, GENERAL PROCEDURE**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 438  
**Title No. 211100** Rental \$7.50 Sale \$30.50  
 Explains how to install gages in a domestic refrigerator, clean the condenser and oil the motor of an open-type refrigeration unit and check operation pressures, compressor performance, and temperature range of the cooling unit.  
 From the *REFRIGERATION SERVICE* series. Domestic Units, No. 1

**CHECKING THE SYSTEM, PT 2, TROUBLE SHOOTING**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 439  
**Title No. 211101** Rental \$7.50 Sale \$30.50  
 Explains how to determine causes of several common refrigeration troubles, such as 'unit will not run,' 'unit runs continuously,' 'improper refrigeration of food, but unit freezes ice cubes.'  
 From the *REFRIGERATION SERVICE* series. Domestic Units, No. 2

**CHEMICAL LAB SAFETY**

25 min, 16mm film, optical sd, col 1951  
**Producer USNMAC** Agency No. M-0445  
**Title No. 211850** Sale \$84.75  
 Several simulated chemical lab 'accidents' are depicted along with suggestions for their prevention and tips for general safety precautions in routine lab activities.

**CHEMICAL SAFETY IN AERIAL APPLICATION**

13 min, 16mm film, optical sd, col 1966  
**Producer USFAA** Agency No. FA-0616  
**Title No. 212298** Sale \$48.50  
 Explains the care and safety precautions to be used in handling toxic chemicals used in aerial application.  
 CLEARED FOR TV.

**CHEMICAL TECHNIQUES - ESTIMATION OF BLOOD GLUCOSE, FOLIN-WU AND SOMOGYI METHODS**

12 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN093751  
**Title No. 000373** Sale: W/DRAWN  
 Shows step-by-step the procedure for estimating blood glucose in the clinical laboratory, using either of the two methods.

**CHEMICAL TECHNIQUES - ESTIMATION OF BLOOD GLUCOSE, SUNDERMAN-FULLER METHOD**

5 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN09375U  
**Title No. 000374** Sale: W/DRAWN  
 Demonstrates, step-by-step, the procedure of a modified true benedict method, as developed by Sunderman and Fuller, for the estimation of blood glucose.

**CHEMICAL TECHNIQUES - FOLDING A FILTER PAPER**

3 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN09375Q  
**Title No. 000389** Sale: W/DRAWN  
 Demonstrates the technique of folding a filter paper for use when filtering solutions in laboratory determination.

**CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, FOLIN-WU METHOD**

5 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN09375T  
**Title No. 000375** Sale: W/DRAWN  
 Shows detailed procedure for the preparation of a protein-free filtrate, for use in making certain clinical laboratory determinations.

**CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, SOMOGYI METHOD**

4 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN09375V  
**Title No. 000376** Sale: W/DRAWN  
 Demonstrates the procedure involved in preparing a protein-free filtrate for use in clinical laboratory determinations, by the Somogyi method, utilizing barium hydroxide.

**CHEMICAL TECHNIQUES - PROTEIN-FREE FILTRATE, TUNGSTIC ACID METHOD**

5 min, 16mm film, optical sd, col 1956  
**Producer USN** Agency No. MN09375R  
**Title No. 000390** Sale: W/DRAWN  
 Shows alternate procedures for the preparation of protein-free filtrate for use in clinical laboratory determination, utilizing a tungstic acid reagent.

**CHICK EMBRYO TECHNIQUES**

15 min, 16mm film, optical sd, b&w 1951  
Producer USNMAC Agency No. M-0042  
Title No. 213451 Sale \$27.00  
Demonstrates methods of using chick embryos in virus and rickettsia laboratory procedures, including incubating and candling, drilling and opening shells, inoculating, windowing, incubating, and harvesting chorioallantois, allantoic fluid, amniotic fluid, yolk, and embryo. Recommended for professional use.

**CHINESE REDS ENTER WAR**

21 min, 16mm film, optical sd, b&w 1951  
Producer USDOD Agency No. CB 104  
Title No. 217390 Sale \$37.00  
Shows military operations in Korea from October 20 to November 20, 1950.  
THIS FILM HAS BEEN DECLARED HISTORICAL FOR USE WITHIN THE SPONSORING AGENCY.

**\*CHINYANJA - BASIC COURSE**

15 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 001510 Sale \$48.75  
Cassettes and accompanying text are both available for \$50.50.

**OTHER FORMAT(S) OR VERSION(S)**

30 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004048 Sale \$83.50  
Tape set and accompanying text are both available for \$85.25.

**CHISELS**

12 min, 16mm film, optical sd, b&w 1943  
Producer USA Agency No. TFD9-2028  
Title No. 217550 Sale \$22.25

Shows the various types of cold chisels, and demonstrates proper techniques and safety precautions to be observed in using them.

From the CARE AND USE OF HAND TOOLS series. No. 3

**CHOLERA EPIDEMIC IN SOUTH VIETNAM**

10 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. M-0837  
Title No. 217920 Sale \$17.50

Shows an outbreak of cholera in South Vietnam and the steps taken by a Navy medical team to bring it under control. Filmed in Saigon, this fast-paced documentary features resourceful methods of treatment pioneered by renowned cholera expert, Captain Robert Phillips.

**CHOLERA TODAY-BEDSIDE EVALUATION AND TREATMENT**

19 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1012  
Title No. 217900 Sale \$64.25

Provides current information on the methods and equipment used in the evaluation and treatment of cholera patients. Illustrates the patient's symptoms and his facial and physiological reactions to treatment. Shows how to prepare IV fluids in the field where they are not commercially available.

**CHOLERA TODAY, PT 2, PRACTICAL LABORATORY DIAGNOSIS**

18 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1478  
Title No. 217875 Sale \$61.00

Illustrates practical and simple laboratory techniques that prove whether one is dealing with cholera or not. This is performed with minimum equipment which should be available in any country.

**CHOLESTEROL-LECITHIN FLOCCULATION TEST FOR SCHISTOSOMIASIS**

9 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1154  
Title No. 000377 Sale \$29.25  
Presents the technique for preparing cholesterol-lecithin cercarial antigen and performing the Anderson schistosoma slide flocculation test for the diagnosis of schistosomiasis.

Necessary equipment and reagents are indicated and the preparation of the test antigen is shown in detail. Performance and reading of the test are shown.

**CHROMOSOME LABELING BY TRITIUM**

15 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001512 Sale \$76.75  
Discusses the advantages of tritium over other radioisotopes as labeling material in autoradiography.

**CHRONIC BRONCHITIS AND PULMONARY EMPHYSEMA. THE APPLICATION OF PHYSICAL MEDICINE AND ...**

24 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-822  
Title No. 001511 Sale \$81.50  
FULL TITLE--CHRONIC BRONCHITIS AND PULMONARY EMPHYSEMA, THE APPLICATION OF PHYSICAL MEDICINE AND REHABILITATION PT 2. Gives Results from a Study Concerning Treatment and Rehabilitation of Patients With Chronic Bronchitis And emphysema. Discusses Postural Drainage, Breathing Exercises, and Usual Clinical Methods Can Increase Patient'S Tolerance to Daily Activities and Permit Him to Return to Vocational Pursuit.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE- BREATHING PATTERNS**

5 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1569  
Title No. 219775 Sale \$18.00  
Shows patterns of breathing and how to teach them to a patient with chronic obstructive pulmonary disease.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE- DIAPHRAGMATIC BREATHING**

7 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1571  
Title No. 219778 Sale \$24.50  
Shows method for correcting faulty breathing patterns of the patient with chronic obstructive pulmonary disease with the ultimate goal of restoring normal use of the diaphragm.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE- INTERMITTENT POSITIVE PRESSURE BREATHING**

6 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1570  
Title No. 219780 Sale \$21.25  
Explains how to teach a patient with chronic obstructive pulmonary disease to use a mechanical respirator as an adjunct to the total respiratory rehabilitation program.

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE- THE USE OF OXYGEN IN PHYSICAL THERAPY ...**

6 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1572  
Title No. 219783 Sale \$25.50  
FULL TITLE--CHRONIC OBSTRUCTIVE PULMONARY DISEASE-- USE OF OXYGEN IN PHYSICAL THERAPY MANAGEMENT. Shows how various machines, depending on the particular need, are used to supply oxygen to the patient with chronic obstructive pulmonary disease.

**CHUCK WORK, PT 2, SETTING UP TOOLS FOR COMBINED CUTS**

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 214  
Title No. 219726 Rental \$7.50 Sale \$28.50  
Tells how to set up tools for the square turret, make combined cuts, set cross-slide and carriage stops, set up the speed preselector, and perform a sequence of operations efficiently.

From the MACHINE SHOPWORK series. Operations on the Turret Lathe, No. 3

**\*CICADA**

10 min, 16mm film, optical sd, b&w 1939  
Producer USDA Agency No. 812-8  
Title No. 003789 Sale \$15.00  
Presents the life story of the 17-year locust.

**\*CICADA, THE**

19 min, 16mm film, optical sd, b&w 1936  
**Producer USDA** Agency No. 729-R  
**Title No. 004165** Sale \$48.00  
 Uses time lapse photography to show the life cycle of the mysterious seventeen-year locust.

**CIRCUIT TESTING WITH METERS AND MULTIMETERS, PART II - PRACTICAL APPLICATION**

37 min, 16mm film, optical sd, b&w 1961  
**Producer USA** Agency No. TF11-1667  
**Title No. 220435** Sale \$63.50  
 Demonstrates how to use meters in testing transformers, capacitors, resistors, and telephone loop circuits.

**CIRCUMFERENTIAL INTRACORONAL TEMPORARY IMMOBILIZATION TECHNIQUE**

13 min, 16mm film, optical sd, col 1968  
**Producer USVA** Agency No. D-28-PE  
**Title No. 000378** Sale \$44.75  
 An effective method of stabilizing loose teeth is demonstrated. Circumferential wiring immobilizes the entire segment of teeth and is not esthetically undesirable because the wire is ultimately covered with resin.

**CIRRHOSIS WARD ROUNDS AT THE LEMUEL SHATTUCK HOSPITAL, PT 1**

30 min, 16mm film, optical sd, b&w 1966  
**Producer USNMAC** Agency No. T-1845-X  
**Title No. 221500** Sale \$60.50  
 Presents one patient with acute alcoholic hepatitis and another with intractable ascites. Discussed by Thomas C Chalmers, MD, Edward W Moore, MD, Donald E Wilson, MD, and Anne Long, RN, Lemuel Shattuck Hospital. (Kinescope)

**CIRRHOSIS WARD ROUNDS AT THE LEMUEL SHATTUCK HOSPITAL, PT 2**

30 min, 16mm film, optical sd, b&w 1966  
**Producer USNMAC** Agency No. T-1846-X  
**Title No. 221503** Sale \$60.50  
 Presents one patient with acute alcoholic hepatitis and another with intractable ascites. Discussed by Thomas C Chalmers, MD, Edward W Moore, MD, Donald E Wilson, MD, and Anne Long, RN, Lemuel Shattuck hospital. (Kinescope)

**\*CITIES IN QUEST OF TOMORROW**

28 min, 16mm film, optical sd, col 1970  
**Producer USHUD**  
**Title No. 221784** Sale: W/DRAWN  
 Examines the model cities program and its initial effect on the city of Trenton, New Jersey. Shows the necessity for meaningful participation by residents of the model cities target area and the community at large.

**CITY LETTER CARRIER**

15 min, 16mm film, optical sd, col 1969  
**Producer USPO**  
**Title No. 222960** Sale \$62.25  
 Depicts a day in the life of a 'mail man'--his routine duties and dedication to the neighborhood he serves.

**CITY OF ROME INCIDENT**

5 min, 16mm film, optical sd, col 1942  
**Producer USN** Agency No. MN00202D  
**Title No. 000379** Sale \$18.00  
 Dramatizes how 37 men in a submarine met their death because of improper placement of running lights and disregard for rules of the nautical road.

**CITY, THE - TIME OF DECISION**

26 min, 16mm film, optical sd, col 1967  
**Producer USIA** Agency No. 01-02687  
**Title No. 223460** Rental: W/DRAWN Sale: W/DRAWN  
 Discusses the growing problems of U S cities and measures to relieve them. Includes such items as slum clearance and urban renewal, traffic congestion, electric transport, pollution control and 'new towns.'

**CIVIL DISTURBANCES - PRINCIPLES OF CONTROL**

35 min, 16mm film, optical sd, col 1968  
**Producer USA** Agency No. TF19-3950  
**Title No. 223620** Rental \$15.00 Sale \$117.50  
 Illustrates the principles and techniques of control applicable to staged demonstrations, professional agitators, full force riots, looting, arson, and snipers. Deals with preventive measures to restore law and order during and after large scale disturbances.

**\*CIVIL DISTURBANCES, PT 2, PLANNING FOR CONTROL**

33 min, 16mm film, optical sd, col 1970  
**Producer USA** Agency No. TF19-3951  
**Title No. 006434** Sale \$132.75  
 Shows an overall view of the advance planning necessary for control of civil disturbances by local, state, and federal authorities. Focus is placed on the four major planning areas--intelligence, personnel, logistics, and operations.

**CIVILIAN APPLICATIONS OF NUCLEAR EXPLOSIVES**

13 min, 16mm film, optical sd, col 1964  
**Producer USAEC**  
**Title No. 001514** Sale \$53.00  
 Surveys the technical progress made in developing scientific and industrial applications for nuclear explosives. Analyzes two modes of application for nuclear explosives from studies of forty-two nuclear explosions.

**CIVILIAN GUARD SERVICES**

29 min, 16mm film, optical sd, b&w 1959  
**Producer USA** Agency No. TF19-2772  
**Title No. 224224** Sale \$60.50  
 Shows security procedures and devices used within and outside military installations and industrial plants. Describes duties of static, foot or vehicular patrol, escort and riot guards.

CLEARED FOR TV.

**CIVILIAN SAILOR - THE STORY OF THE NAVAL RESERVE**

28 min, 16mm film, optical sd, col 1970  
**Producer USN** Agency No. MN10905  
**Title No. 224230** Sale \$113.50  
 Describes the role and importance of the Naval Reserve to national security and the material benefits and accomplishments.

CLEARED FOR TV.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES CONSTRUCTING THE OCCLUSAL TEMPLATE...**

12 min, 16mm film, optical sd, col  
**Producer USVA** Agency No. D-67-RP  
**Title No. 224701** Sale \$41.50  
 FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES-CONSTRUCTING THE OCCLUSAL TEMP-LATE-ARRANGEMENT OF TEETH-LABORATORY PROCEDURE. When the occlusal path record has been successfully completed an occluding template that incorporates all the excessive movements and static positions is constructed for a simple hinge type articulator. The replacement teeth are adjusted and properly fitted to the opposing occlusion in harmony with existing dentation and the components of occlusion.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES FINISHING, OCCLUSAL CORRECTION, INSERTION ...**

13 min, 16mm film, optical sd, col  
**Producer USVA** Agency No. D-68-RP  
**Title No. 006430** Sale \$44.75  
 FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES-FINISHING, OCCLUSAL CORRECTION, INSERTION AND ADJUSTMENT. Shows relief and adjustment of critical areas of the framework and saddles of the removable partial denture will contribute to the continued oral health of the oral tissues. The areas requiring modification and occlusal adjustments by both laboratory remounting and direct check bites are systematically presented.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
IMPRESSION AND PREPARATION OF THE MASTER...**

12 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-66-RP

Title No. 006431

Sale \$43.00

FULL TITLE--CLASP-CLINICAL AND LABORATORY PROCEDURES-IMPRESSION AND PREPARATION OF THE MASTER CAST FOR THE LABORATORY. Shows the impression procedures using alginate to produce accurate casts. The surveyor is used on the resultant cast to determine the accuracy of the planned mouth preparations. Relief wax is added to areas of the master cast necessary to create proper relief for freedom and function.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
MOUTH PREPARATION PROCEDURES**

13 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-61-RP

Title No. 224696

Sale \$44.75

Following the development of a detailed treatment plan, mouth preparation procedures are initiated demonstrates the preparation of abutment teeth for three-quarter crowns and splinting, impression procedures and surveying of the patterns incident to developing guide plans and positive retentive areas.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
THE OCCLUSAL PATH RECORD**

15 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-53-RP

Title No. 224703

Sale \$52.75

The generated path or occlusal path record is relatively simple method of developing a harmonious occlusion, particularly when artificial teeth must oppose natural dentition. This method makes it possible to record jaw relations under actual mastication conditions. The technical procedures incident to registering the occlusal path are demonstrated.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
PRELIMINARY EXAMINATION AND PROCEDURES FOR...**

13 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-59-RP

Title No. 224698

Sale \$44.75

FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES-PRELIMINARY EXAMINATION AND PROCEDURES FOR DIAGNOSIS. Illustrates the examination is the basis for diagnosis. Extra-oral inspection, as well as careful examination of the soft and hard intraoral tissues, the preliminary impressions and the interocclusal record to mount the study casts are presented in orderly sequence.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
PRELIMINARY SURVEY OF STUDY CAST, TENTATIVE...**

11 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-60-RP

Title No. 224699

Sale \$38.25

FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PRO-SURVEY OF STUDY CAST, TENTATIVE DESIGN AND DETAILED TREATMENT PLANNING. Shows the planning for treatment is based on the information achieved from mounted study casts, the oral examination, radiographs, general patient information, as well as an accurate survey of the casts. These procedures are explained in detail and the tentative design of the appliance, compatible with the oral conditions and biological requirements, developed.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
PRE-DELIVERY, CASTING ADJUSTMENT, LABORATORY...**

9 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-69-RP

Title No. 224697

Sale \$32.00

FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES-PRE-DELIVERY CASTING ADJUSTMENT-LABORATORY PROCEDURES. Shows certain arbitrary relief procedures should be accomplished on the removable partial denture casting to remove any potential interferences that may resist complete seating of the appliance. The area that required adjustment and the methods to obtain the necessary alterations are graphically described.

**CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES  
RECORDING EDENTULOUS RIDGE CONTOUR...**

16 min, 16mm film, optical sd, col

Producer USVA

Agency No. D-52-RP

Title No. 224702

Sale \$56.00

FULL TITLE--CLASP TYPE-CLINICAL AND LABORATORY PROCEDURES-RECORDING EDENTULOUS RIDGE CONTOUR-CORRECTABLE WAX IMPRESSIONS. Shows the methodology for fluid wax impressions of the edentulous ridges in distal extension removable partial dentures, is demonstrated. This procedure is intended to enhance the stability and retention of the prosthesis and reduce the stress on the remaining teeth.

**CLASS III RESTORATIONS**

6 min, 16mm film, optical sd, col

1967

Producer USVA

Agency No. D-004

Title No. 224723

Sale: W/DRAWN

A single concept film, for a descriptive statement, see the series title.

From the **OPERATIVE DENTISTRY - ADVANCED CONCEPTS Series**.

**CLEAN AIR IS A BREEZE - AIRBORNE CONTAMINATION CONTROL THROUGH LAMINAR AIR FLOW**

16 min, 16mm film, optical sd, col

1965

Producer USAEC

Title No. 001515

Sale \$63.50

Illustrates common sources of air-borne contamination to show that the world is contaminated by a variety of airborne particles. Shows the difficulties of manufacturing precision devices in such a contaminated world, and describes earlier attempts to clean air for industrial processes. Explains the theory and basic operating principles of laminar air flow systems, shows the variety of laminar air flow devices now available, and illustrates the application of such devices to industrial processes, research and development problems, and to the field of medical care and medical research.

**CLEAN HANDS**

35 2x2 slides, 1/4 in. audiotape, col

1970

Producer USFDA

Title No. 001516

Sale \$9.25

Stresses the importance of one's hands in food production and the need for keeping them clean and sanitary. Harry, the food plant worker, demonstrates hand washing techniques. Designed for in-plant training of food plant employees and food handlers.

**\*CLEAN HANDS (SPANISH)**

35 2x2 slides, 1/4 in. audiotape, col

1970

Producer USFDA

Title No. 001517

Sale \$9.25

Stresses the importance of one's hands in food production and the need for keeping them clean and sanitary. Harry, the food plant worker, demonstrates hand washing techniques. Designed for in-plant training of food plant employees and food handlers.

**CLEAN WATER MAKES GOOD HEALTH**

10 min, 16mm film, optical sd, b&w

1953

Producer USIA

Agency No. 46-00749

Title No. 226149

Rental: W/DRAWN Sale: W/DRAWN

Explains the government of India's village sanitation improvement program, especially the building of wells.

**CLEANING EQUIPMENT AND CONTAINERS**

28 min, 16mm film, optical sd, b&w

1946

Producer USPHS

Agency No. MIS-0175

Title No. 226205

Sale \$48.75

Demonstrates methods for cleaning and bactericidal treatment of cans, bottles, piping, and other equipment following the routine of flush, scrub, rinse, and sterilize. User should supplement film with current data.

**CLEANING EQUIPMENT AND CONTAINERS (FRENCH)**

28 min, 16mm film, optical sd, b&w 1946  
 Producer USPHS Agency No. M-1033-FR  
 Title No. 226206 Sale \$48.75  
 Demonstrates methods for cleaning and bactericidal treatment of cans, bottles, piping and other equipment following the routine of flush, scrub, rinse and sterilize.  
 From the *SMALL MILK PLANT OPERATION* series.

**CLEANING EQUIPMENT AND CONTAINERS (SPANISH)**

28 min, 16mm film, optical sd, b&w 1946  
 Producer USPHS Agency No. M-1034-SP  
 Title No. 226207 Sale \$48.75  
 Demonstrates methods for cleaning and bactericidal treatment of cans, bottles, piping and other equipment following the routine of flush, scrub, rinse and sterilize.  
 From the *SMALL MILK PLANT OPERATION* series.

**CLEANLINESS BRINGS HEALTH**

8 min, 16mm film, optical sd, col 1946  
 Producer USOIAA Agency No. 08-10071  
 Title No. 226260 Rental \$7.50 Sale \$37.25  
 Compares the way two south American families live-the clean family and the careless family. Emphasis is on the things that can be done in the home to protect against communicable diseases.  
 From the *REPORT FROM AMERICA* series.

**CLEARED FOR TAKEOFF**

14 min, 16mm film, optical sd, col 1969  
 Producer USN Agency No. MN10419A  
 Title No. 226401 Sale \$58.25  
 A U S Naval Reserve VR Squadron, on two weeks active duty, performs an important logistic task in support of U S naval efforts in South Vietnam.

**CLIMB TO GLORY, PT 1**

29 min, 16mm film, optical sd, b&w 1963  
 Producer USA Agency No. TV 599  
 Title No. 226875 Sale \$61.25  
 Tells how the 10th Mountain Division broke through the invincible Gothic line in Italy.  
 From the *BIG PICTURE* series.

CLEARED FOR TV.

**CLIMB TO GLORY, PT 2**

29 min, 16mm film, optical sd, b&w 1963  
 Producer USA Agency No. TV 600  
 Title No. 226876 Sale \$61.25  
 Shows the final break-through by 10th Mountain Division in Italy during World War II.  
 From the *BIG PICTURE* series.

CLEARED FOR TV.

**\*CLIMBING AND WORKING ON POLES**

25 min, 16mm film, optical sd, b&w 1960  
 Producer USA Agency No. TF-11-2827  
 Title No. 003100 Sale \$52.50  
 Shows testing and supporting poles - climbing, leveling off, circling, assuming work position, descending - hoisting, use and lowering tools while working.

**\*CLINICAL MANIFESTATIONS OF LEPROSY**

103 fr, 35mm filmstrip, silent, col 1957  
 Producer USNIMH Agency No. T-1682  
 Title No. 002011 Sale \$5.50  
 Shows clinical cases of tuberculoid, lepromatous, indeterminate, and borderline leprosy. Includes photo-micrographs of histological specimens.

**CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 1**

34 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. T-1682  
 Title No. 226905 Sale \$70.50  
 Shows classification of enzymes, categorizing the individual enzymes according to clinical usefulness, the long-standing enzymes, alkaline phosphatase, and amylase. Discusses principles, methods, sensitivity, and specificity for acid phosphatase, transaminase, and lactate dehydrogenase. (Kinescope)

**CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 2**

31 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. T-1706  
 Title No. 226906 Sale \$63.50  
 Glycolytic enzymes (aldolase and phosphoglucomutase) are compared with lactate dehydrogenase in terms of pathways of glucose metabolism origin, methodology, and clinical application. Isoenzymes with specific reference to LDH are reviewed in depth in terms of organ source and clinical application as well as genetic and molecular characterization. (Kinescope)

**CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 3**

31 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. T-1721  
 Title No. 226907 Sale \$63.50  
 Shows enzymes from the tricarboxylic acid cycles (isocitric dehydrogenase, malic dehydrogenase) as well as hexose shunt. (Kinescope)

**CLINICAL PATHOLOGIC CORRELATIONS OF ENZYMOLOGY, PT 4**

25 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. T-1722  
 Title No. 226908 Sale \$51.75  
 Reviews 5-nucleotidase, creatinine phosphokinase, and enzymes of the formed elements of blood including glucose 6-phosphate dehydrogenase. Presents discussion of diseases diagnosed through enzyme analysis. (Kinescope)

**CLINICAL PATHOLOGICAL CONFERENCE**

45 min, 16mm film, optical sd, b&w 1968  
 Producer USNMAC Agency No. T-1874-X  
 Title No. 226900 Sale \$92.00  
 Shows clinical pathological conference of the Massachusetts General Hospital. Participating in the conference are Benjamin Castlemen, MD, Roman Desanctis, MD, and William F Moneely, MD, Harvard Medical School. Also John F Stokes, MD, University of London, and Murray L Janower, MD, Massachusetts General Hospital. (Kinescope)

**CLINICAL PICTURE OF ANXIETY HYSTERIA, A**

26 min, 16mm film, optical sd, b&w 1952  
 Producer USVA Agency No. T-1874-X  
 Title No. 226970 Sale \$45.50  
 Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from anxiety hysteria.

**CLINICAL PICTURE OF CLAUSTROPHOBIA, A**

31 min, 16mm film, optical sd, b&w 1952  
 Producer USVA Agency No. T-1874-X  
 Title No. 226971 Sale \$53.50  
 Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from claustrophobia.

**CLINICAL TONOMETRY**

7 min, 16mm film, optical sd, b&w 1965  
 Producer USNMAC Agency No. M-0593  
 Title No. 227150 Sale \$12.50  
 Describes the glaucoma syndrome and the use of the schiotz tonometer, and emphasizes the importance of measurement of intra-ocular pressure to detect incipient glaucoma. The rationale of including the tonometry test as a regular procedure of the complete physical examination is stressed.

**\*CLOSE-UP OF THE MOON - A LOOK AT LUNAR ORBITER**

10 min, 16mm film, optical sd, col  
 Producer USNASA Agency No. HQ 169  
 Title No. 227430 Sale \$35.75  
 Summarizes the accomplishments of the lunar orbiter program.

**CLOSURE OF ANTRAL-ORAL FISTULA**

16 min, 16mm film, optical sd, col 1961  
 Producer USA Agency No. PMF 5335  
 Title No. 227461 Sale: W/DRAWN  
 Describes the surgical principles and procedures related to

closure of antral-oral fistula and presents the technique of the 'buckle-envelope' type of flap. Salient principles of surgery stress elimination of infection from maxillary sinus, adequate soft tissue flaps, and suture flaps without tension.

#### CLOSURE OF ANTRAL-ORAL FISTULA - ROTATION OF PEDICLE PALATAL FLAP

10 min, 16mm film, optical sd, col 1968  
 Producer USVA Agency No. D-54S  
 Title No. 227459 Sale \$35.00

Accidental openings in the floor of the antrum may occur during the extraction of teeth. Demonstrates an accepted surgical method of closing palatal flap. The post-operative use of a stent is demonstrated and the need to understand the post-operative course is stressed.

#### CLOUDS OF VENUS, THE

30 min, 16mm film, optical sd, col 1962  
 Producer USNASA Agency No. HQA 082  
 Title No. 228050 Sale \$121.25

Documents the flight of Mariner 2 which was launched on Aug 27, 1962-our first effort to obtain scientific and some of its features that have been determined by astronomers. Presents the flight profile, trajectory, spacecraft features, and the experiments conducted throughout 109 days and 180 million miles of travel. A few preliminary scientific findings are summarized.

#### CLUTCH AND HAND BRAKE, THE

12 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 402  
 Title No. 228125 Rental \$7.50 Sale \$22.25

Depicts how to determine the amount of clutch pedal clearance or 'lash,' correct abnormal 'lash,' check clutch for slipping, grabbing, or drag, and inspect and adjust the hand brake.

From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Preventive Maintenance, No. 6

#### \*COACHING ON THE JOB

25 min, 16mm film, optical sd, col 1964  
 Producer USDA Agency No. 4144  
 Title No. 003928 Sale \$119.00

Approximately 80 percent of Forest Service training is done on the job. This film explains the importance of this training in typical-on-the-job sequences filmed in the field.

#### COAGULASE AND CLUMPING FACTOR TESTS FOR STAPHYLOCOCCUS AUREUS, THE

5 min, 16mm film, optical sd, col 1969  
 Producer USNMAC Agency No. M-1765  
 Title No. 228201 Sale \$21.75

Demonstrates the clotting of coagulase-positive staphylococci in liquid media in the presence of coagulase plasma.

#### \*COAL MINER TODAY

12 min, 16mm film, optical sd, col 1970  
 Producer USBM  
 Title No. 003563 Sale \$50.50

Takes viewer underground, into a coal mine, showing the men and machinery as they perform their various specialized jobs. Reasons for each job are explained - hazards are given - and safety procedures are stressed, emphasizing the correct way of doing the job.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### COAST GUARD AUXILIARY

17 min, 16mm film, optical sd, col 1960  
 Producer USCG  
 Title No. 228220 Sale: W/DRAWN

Presents the story of the Coast Guard Auxiliary--its mission, origin, history, organization, functions and accomplishments, with emphasis on current and projected activities in the field of promotion of boating safety.

#### COAST GUARD CUTTERS AROUND THE CONTINENT

28 min, 16mm film, optical sd, col 1958

Producer USCG

Title No. 228223 Sale \$113.50  
 Presents the story of Coast Guard participation in the 1957 arctic operations, including circumnavigation of North America. USCG cutters Storis, Bramble, and Spar are shown in their sometimes uncertain but eventually successful battle to locate and chart the last link in the 450 year-old search for the famous 'Northwest Passage.' Winner of the following first awards: International Film Festival, Edinburgh--Canadian Film Festival, Ottawa--international film Festival, Salerno.

#### COAST GUARD ICEBREAKERS

28 min, 16mm film, optical sd, col 1958

Producer USCG

Title No. 228225 Sale \$108.00  
 Provides a panoramic view of the Coast Guard's far-flung icebreaking operations in the arctic and Antarctic, and on the Great Lakes and rivers. Includes participation in the construction of Thule Air Base in Greenland, and historical sequences showing the development of the icebreaking function.

#### COAST GUARD IN ALASKA

28 min, 16mm film, optical sd, col 1962

Producer USCG

Title No. 228228 Sale \$113.50  
 Presents the operations of the Coast Guard in Alaska, including buoy tender operations, re-supply of lighthouses and ~~COMAR~~ stations, and search and rescue. Contains maps ~~of areas of~~ of Coast Guard operations. Both winter and summer footage are shown, including aerial scenes of snow-covered mountains, glaciers, forests, cities, and towns. Coast Guard responsibilities in Alaska date back to its earliest days, including civil as well as military duties.

#### COAST GUARD LIGHTHOUSES

18 min, 16mm film, optical sd, col 1960

Producer USCG

Title No. 228231 Sale \$55.00  
 Tells how fascinated the public is about lighthouses. Shows lighthouses in the 1800's and continues into modern day lighthouses.

#### COASTAL SEARCH AND RESCUE

22 min, 16mm film, optical sd, col 1967

Producer USCG

Title No. 000381 Sale \$84.00  
 Through dramatic art scenes and still photos the history of coastal lifesaving efforts is traced from 1786 to the 1930 era.

#### COBALT-60 RELOADING

8 min, 16mm film, optical sd, col 1958

Producer USAEC

Title No. 001518 Sale \$43.00  
 Describes the unloading of a co-60 capsule from the materials testing reactor at the National Reactor Testing Station in Idaho, showing monitoring and packing for shipment, and subsequent loading of the same capsules as the radioactive source into a teletherapy machine at the Argonne Cancer Research Hospital, Chicago.

#### \*COCCIDIODES IMMITIS

8 fr, 35mm filmstrip, 1/4 in. audiotape, col 1953

Producer USNMAC Agency No. F116-B

Title No. 002013 Sale \$10.00  
 Gives a brief clinical picture of coccidioidomycosis. Explains a technique for isolation and identifying coccidioides immitis.

#### COCCIDIODOMYCOSIS

6 min, 16mm film, optical sd, col 1962

Producer ILDS

Title No. C01519 Sale: W/DRAWN  
 Reveals clinical roentgenologic, and immunologic features of both the benign and malignant forms of coccidioides immitis infection.

<b>CODE AND YOU, THE</b>		<b>COLLEGE OF AFRICAN WILDLIFE</b>
25 min, 16mm film, optical sd, b&w Producer USN Title No. 228751 Explains the major points of the uniform code of military justice adopted by the U S Armed Forces.	1952 Agency No. MN07319A Rental \$10.00 Sale \$43.75	15 min, 16mm film, optical sd, b&w Producer USIA Title No. 229602 Depicts the Mweka College of African Wildlife Management in Tanzania which receives assistance from both private and governmental organizations of the U S and Europe. This college trains students from African countries that are undertaking broad new programs to protect their wildlife and promote tourism.
<b>*CODE BLUE</b>		<b>COLONY CHARACTERISTICS OF MYCOBACTERIA IN 7H-10 AGAR MEDIUM</b>
27 min, 16mm film, optical sd, col Producer USBHME Title No. 002051 Shows why minority doctors are needed. Presents a convincing argument to assist intelligent minority youngsters on the road to medical careers.	1970 Sale \$111.50	8 min, 16mm film, optical sd, col Producer USNMAC Title No. 231165 Shows photomicrography scenes illustrating various mycobacteria grown on 7H-10 Agar medium and describes their characteristics.
<b>*COGNITIVE DEVELOPMENT</b>		<b>*COLOR FOR SAFETY</b>
15 min, 16mm film, optical sd, col Producer USBEH Title No. 000324 Illustrates verbal concept development for the hearing impaired through discussion of current issues, problem-solving tasks, and ordering exercises.	Sale \$62.00	22 min, 16mm film, optical sd, col Producer USBM Title No. 003562 Emphasizes the importance of color in preventing accidents in the mineral industries. The correct color coding and labeling of fuel, gas and chemical pipes, and cylinders to prevent misuse of contents is pointed out. Shows how tools, equipment, and plant facilities are color coded for accurate identification.  PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4600 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.
<b>OTHER FORMAT(S) OR VERSION(S)</b>		
15 min, 8mm cartridge, optical sd, col Producer USBEH Title No. 003381 <b>COLD WAR CALLUP - THE NAVY'S SELECTED RESERVE</b>	Sale \$41.50	
28 min, 16mm film, optical sd, b&w Producer USN Title No. 000382 Describes the U S Naval Selected Reserve, its training prior to recall to active status in October 1961 and some of its activities while on active duty from October to August 1962.	1962 Agency No. MN09783 Sale \$48.75	<b>COLOR VISION DEFICIENCIES - DEFINITION AND EVALUATION</b>
<b>COLLECTION AND PROCESSING OF SPECIMENS FOR RESPIRATORY VIRUS ISOLATION</b>		20 min, 16mm film, optical sd, col Producer USNMAC Title No. 229250 Illustrates the recommended procedures for collection and processing of throat swab specimens for viral studies. Techniques for virus isolation are not included. It is recommended that this film be used in conjunction with others in the series pertaining to the isolation and identification of respiratory disease agents.
4 min, 16mm film, optical sd, col Producer USNMAC Title No. 229250 Shows three devices for adult fly collection-sweep net for rapid surveys, fly trap for detailed qualitative studies, and cone net for collecting live flies over natural attractants.	Agency No. M-0872 Sale \$13.50	20 min, 16mm film, optical sd, col Producer USN Title No. 232536 Explains the importance of color discrimination. Shows how individual color vision deficiencies perceive the spectrum. Defines three types of color vision deficiencies and shows color confusions involved in each type. Demonstrates mild, moderate, and severe degrees of defects for one type of color vision deficiency and shows applications involved. Shows procedure for administering approved tests for color vision deficiencies, such as the pseudoisochromatic plate test and the Farnsworth lantern test.
<b>COLLECTION OF ADULT FLIES, THE</b>		<b>*COLORS - 1</b>
6 min, 16mm film, optical sd, col Producer USNMAC Title No. 229270 Shows three devices for adult fly collection-sweep net for rapid surveys, fly trap for detailed qualitative studies, and cone net for collecting live flies over natural attractants.	1949 Agency No. 4-085 Sale \$21.25	11 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003383 Illustrates an early lesson at the presentation stage and introduces specific touch positions for colorwork. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</i>
<b>*COLLECTION OF PARTICULATE MATTER AND THE CONTROL OF AIR POLLUTION</b>		<b>*COLORS - 2</b>
22 min, 16mm film, optical sd, col Producer USEPA Title No. 229299 Shows the basic methods of reducing particulate emissions, the mode of operation, and the efficiencies of the equipment involved. Demonstrates the function of five different collection devices and uses animated sequences to show operation, efficiency, and particulate size.	Sale \$93.75	11 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003384 Introduces a second lesson at the presentation stage of colors work - the pronunciation area. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</i>
<b>*COLLEGE CLASS, A - SIMULTANEOUS COMMUNICATION</b>		<b>*COLORS - 3</b>
8 min, 16mm film, optical sd, col Producer USBEH Title No. 000325 The film views a college class of the hearing impaired in dialogue on the concept of 'justice'.	Sale \$33.25	11 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003385 Presents more difficult sound combinations, including short vowels. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</i>
<b>OTHER FORMAT(S) OR VERSION(S)</b>		
8 min, 8mm cartridge, optical sd, col Producer USBEH Title No. 003382	Sale \$28.75	

\* INDICATES NEW ENTRY



**COMBAT READY**

26 min, 16mm film, optical sd, b&w 1964  
Producer USAF Agency No. SFP 1224  
Title No. 000384 Sale \$45.50  
Portrays the story of Strategic Air Command's operation readiness inspections (ORI). Shows how the Inspector General conducts ORI's on site and with no advance notice to determine the combat readiness of the unit's men, aircraft and missile.  
CLEARED FOR TV.

**\*COMBAT RECOGNITION**

10 min, 16mm film, optical sd, b&w 1956  
Producer USAF Agency No. TF1-5115  
Title No. 002919 Rental \$5.00  
Describes recognition features of the following USAF jet bombers - the B-57, an American version of the British Canberra - the B-66, a twin jet tactical bomber - the B-47 Stratojet - and the B-52 Intercontinental Stratofortress.

**COMBATIVE MEASURES - JUDO**

120 min, 16mm film, optical sd, b&w 1951  
Producer USAF Agency No. TF01-4981  
Title No. 000385 Sale \$225.00  
Gives a complete introduction of judo for combat crews.

**COMBINED RESECTION OF TONGUE AND FLOOR OF MOUTH WITH RADICAL NECK DISSECTION**

34 min, 16mm film, optical sd, col 1953  
Producer USVA  
Title No. 233033 Sale: W/DRAWN  
Demonstrates a technique of radical surgery extirpation for primary intra-oral cancer, incorporating the concepts of removal of the pathways of lymphatic metastases in continuity. Shows radical neck dissection, resection of the mandible, and a method of primary reconstruction of the mouth and jaw.

**COME SAIL WITH ME**

28 min, 16mm film, optical sd, col 1966  
Producer USN Agency No. MN 10316  
Title No. 233250 Sale \$93.00  
Follows a Navy guided missile technician from boot camp through billeting on board a missile ship. Shows the launching of Tartar, Terrier, and Talos missiles.

**COMMAND AND CONTROL**

18 min, 16mm film, optical sd, col 1965  
Producer USAF Agency No. SFP 1345  
Title No. 233570 Sale \$61.75  
Defines the 473I data processing concept in giving speed and accuracy to Air Force command and control. Describes outdated manual method of solving high level problems and emphasizes need for an electronic approach to coping with today's world crises. Simulates a sudden brush war to demonstrate 473I capability in answering questions on weather, personnel, communications, weapon systems, and medical facilities.  
CLEARED FOR TV.

**COMMAND DECISION - THE INVASION OF SOUTHERN FRANCE**

29 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TV 572  
Title No. 233575 Sale: W/DRAWN  
The invasion of southern France, Operation Dragon, is described. Roosevelt, Churchill, Chiang Kai-Shek, and Stalin are featured.  
From the BIG PICTURE series.  
CLEARED FOR TV.

**COMMAND MODULE, THE**

6 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 006  
Title No. 233580 Sale \$27.25  
A detailed examination of the Apollo command module which astronauts use in their journey to the Moon. Features detailed interior shots and includes explanations of the specific jobs of each of the three astronauts.  
From the APOLLO DIGEST series.

**\*COMMON SAPROPHYPIC FUNGI**

40 fr, 35mm filmstrip, silent, col 1960  
Producer USNMAC Agency No. F-446  
Title No. 002053 Sale \$5.50  
Depicts the gross and microscopic features of 17 species of saprophytic fungi representing 15 genera. Includes the diagnostic characteristics of species that appear as contaminants in cultures.

**COMMUNICABLE DISEASE CENTER, THE**

17 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0477  
Title No. 006432 Sale \$58.50  
Discusses the role of the U.S. Public Health Service's Communicable Disease Center in Atlanta, Georgia, in the Nation's effort to control Communicable Diseases. The film takes the viewer on a photographic tour of Center's facilities in Atlanta, and also shows some of the Center's field work around the Nation.

**\*COMMUNICATION CENTER PROCEDURE FOR CORPS AND LOWER HEADQUARTERS, PT 1, OUTGOING MESSAGES**

7 min, 16mm film, optical sd, b&w 1951  
Producer USA Agency No. TF11-1733  
Title No. 001521 Sale \$30.50  
Illustrates the proper procedure for handling outgoing messages at an Army communications center. Emphasizes the handling of classified messages and the use of the message center log.

**COMMUNICATION CENTER PROCEDURE, PT 2, INCOMING MESSAGES**

7 min, 16mm film, optical sd, b&w 1951  
Producer USA Agency No. TF11-1734  
Title No. 001520 Sale \$12.50  
Describes the operation of a communication center at corps and lower headquarters. Emphasizes the care necessary to insure the efficiency of message handling.

**COMMUNICATION CONFERENCE**

31 min, 16mm film, optical sd, b&w 1966  
Producer USOE  
Title No. 234005 Rental \$10.00 Sale \$52.75  
Discusses the social implications of a widespread communication network in most modern societies and the inadequacy of language as a vehicle of communication.  
From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL MEDIA Series.

**\*COMMUNICATION GAP**

2 min, 16mm film, optical sd, b&w  
Producer USNIMH  
Title No. 234115 Rental: W/DRAWN Sale: W/DRAWN  
Shows how communications break down between parents and child when the subject of marijuana is approached. A discussion film.

**COMMUNICATION THEORY AND THE NEW EDUCATIONAL MEDIA--A SERIES**

243 min, 16mm film, optical sd, b&w 1966  
Producer USOE  
Title No. 234510 Sale \$468.50  
Provides a flexible, useful, rich, and provocative repertory of materials for use by those who discharge the responsibility of interpreting and articulating theory and experimental research in communication, learning theory, perception, and instructional technology. Produced by the Ohio State University Department of Photography for the Office of Education.

INFORMATION EXPLOSION, THE  
PROCESS OF COMMUNICATION, THE  
PERCEPTION AND COMMUNICATION  
TEACHER AND TECHNOLOGY, THE  
COMMUNICATION CONFERENCE  
COMMUNICATIONS REVOLUTION, THE  
TEACHING MACHINES AND SIDNEY PRESSEY  
MUSIC RESEARCH

**COMMUNICATIONS REVOLUTION, THE**

22 min, 16mm film, optical sd, b&amp;w 1966

Producer USOE

Title No. 234480

Rental \$7.50 Sale \$38.50

Presents Edgar Dale, Marshall McLuhan, Gilbert Seides, and I Keith Tyler in a discussion of the impact of the information explosion and the mass media of communication on Western civilization. McLuhan talks of 'cool' and 'hot' media of a global culture made possible by radio. Questions are raised of a new distribution of power through a redistribution of information and the inevitable need for discrimination in teaching media. Produced by the Ohio State University Department of Photography for the Office of Education.

From the **COMMUNICATION THEORY AND THE NEW EDUCATIONAL MEDIA Series**.

**\*COMMUNISM**

30 min, 16mm film, optical sd, b&amp;w 1967

Producer USDOD

Agency No. AFIF 0165

Title No. 234650

Sale \$62.50

Traces the history of Communism and explains its objectives, strengths and weaknesses. Outlines Communism's five major assumptions and shows how history has disproved them. Studies Communist countries' advances and failures in military strength, industry, education, technology and agriculture. Compares present practices to Marx's original theory and exposes Communism's definition of peaceful coexistence.

**OTHER FORMAT(S) OR VERSION(S)**

32 min, 16mm film, optical sd, b&amp;w 1950

Producer USDOD

Agency No. AFIF 0005

Title No. 234649

Sale \$55.25

**COMMUNIST BLUEPRINT FOR CONQUEST**

33 min, 16mm film, optical sd, b&amp;w 1956

Producer USDOD

Agency No. AFIF 0076

Title No. 234790

Sale \$56.75

Explains the methods and techniques used by the Communists to seize power in a country.

**THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.**

**COMMUNIST EUROPE**

19 min, 16mm film, optical sd, b&amp;w 1961

Producer USDOD

Agency No. AFIF 0107

Title No. 234895

Sale \$33.75

Presents a study of the Communist satellite countries of Europe--appraising their cultural, economic, and political status, and their vital significance in the power struggle between the USSR and the West.

**THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.**

**COMMUNIST TARGET - YOUTH**

34 min, 16mm film, optical sd, b&amp;w 1962

Producer USDOD

Agency No. AFIF 0116

Title No. 234925

Sale \$58.75

Explains techniques and methods used by Communists to gain and wield control over young people of the world.

**THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.**

**COMMUNIST WEAPON OF ALLURE, THE**

36 min, 16mm film, optical sd, b&amp;w 1956

Producer USDOD

Agency No. AFIF 0075

Title No. 231522

Sale \$62.00

Explains the methods used by the Communists to gain converts.

**THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.**

**COMMUNITY ADVISORY COMMITTEE, A**

27 min, 16mm film, optical sd, b&amp;w 1949

Producer USDS

Title No. 234975

Sale \$56.50

Shows the organization and operation of a community advisory service in Bridgeport, Connecticut and the values of such a service to the individuals of the community.

**COMMUNITY CANNING**

17 min, 16mm film, optical sd, b&amp;w 1943

Producer USOE

Agency No. OE 198

Title No. 235075

Sale \$36.50

Explains how to wash, snap, grade, blanch, and season beans. Describes how to prepare the cans, pack and exhaust them, label and seal the cans, use a pressure cooker or retort, and cool, dry, and store the cans.

From the **FARM WORK series. Food Preservation, No. 1**

**COMMUNITY FLY CONTROL OPERATION**

12 min, 16mm film, optical sd, b&amp;w 1952

Producer USPHS

Agency No. 4-094

Title No. 235100

Sale \$22.25

Explains the steps taken in a fly control project in a typical town--involving gaining the support of the people (education), eliminating fly breeding places (sanitation), and applying spray materials (chemical control).

**COMMUNITY FLY CONTROL OPERATION (SPANISH)**

12 min, 16mm film, optical sd, b&amp;w 1952

Producer USPHS

Agency No. 4-094

Title No. 001523

Sale \$22.25

Explains the steps taken in a fly control project in a typical town--involving gaining the support of the people (education), eliminating fly breeding places (sanitation), and applying spray materials (chemical control).

**\*COMMUNITY IN QUEST, THE**

30 min, 16mm film, optical sd, col 1971

Producer USNIMH

Title No. 002054

Rental \$12.50 Sale \$79.25

Analyzes a community trying to solve its problems through the confrontation techniques of role playing. Illustrates fears and resistance to change on the part of all participants.

From the **SOCIAL SEMINAR series**.

**COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY**

10 min, 16mm film, optical sd, col 1966

Producer USNMAC

Agency No. M-1527-X

Title No. 235590

Sale \$41.00

Stresses the need for community mental health centers. Demonstrates how these centers tie together mental health services such as emergency care, in-patient and out-patient care, partial hospitalization, consultation and education. (An animated film)

**COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY (SPANISH)**

10 min, 16mm film, optical sd, col 1966

Producer USNMAC

Agency No. M-1527-SP

Title No. 235591

Sale \$41.00

Stresses the need for community mental health centers. Demonstrates how these centers tie together mental health services such as emergency care, in-patient and out-patient care, partial hospitalization, consultation and education. An animated film.

**\*COMMUNITY MENTAL HEALTH CENTER, A - THE NEW WAY**

10 min, 16mm film, optical sd, b&amp;w 1966

Producer USNMAC

Title No. 000386

Sale: W/DRAWN

This animated film stresses the need for community mental health centers. Demonstrates how these centers tie together mental health services such as emergency care, in-patient and out-patient care, partial hospitalization, consultation and education.

**COMPANY OF SCHOLARS, A**

30 min, 16mm film, optical sd, b&amp;w 1966

Producer USIA

Agency No. 01-01701

Title No. 235980

Rental: W/DRAWN Sale: W/DRAWN

Tells the story of the Smithsonian Institute founded in 1846 in Washington, D C, by James Smithson's bequest 'for the increase and diffusion of knowledge among men.' Includes a tour of the Institute and a report of what it does today.

From the **REPORT FROM AMERICA series**.

**COMPARISON OF GROSS SURFACE APPEARANCE OF INTESTINAL BIOPSY AND THEIR SERIAL SECTIONS**

9 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1563-X  
Title No. 235991 Sale \$31.00  
Compares the surface appearance of suction biopsies with their subsequent histologic appearance after complete serial sectioning. Shows the limitations of the hand lens or dissecting microscope in examining such biopsies. Restricted to physicians and physician organizations only.

**COMPASS SYSTEM, THE**

16 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN01792E  
Title No. 236100 Sale \$28.50  
Explains and demonstrates the five major assemblies of a Sperry Mark 14 Gyro Compass (sensitive, phantom, and spider elements, mercury, ballistic, and binnacle). Shows the operation of the follow-up and repeater systems.

**COMPLETE DENTURES - ALGINATE IMPRESSIONS**

17 min, 16mm film, optical sd, col 1951  
Producer USN Agency No. MN06720  
Title No. 236550 Sale: W/DRAWN  
Illustrates the technique for non-pressure full denture impressions using alginate (irreversible hydrocolloid) in loose fitting, perforated baseplate tray.

**COMPLETE DENTURES - REMOUNT PROCEDURES**

19 min, 16mm film, optical sd, col 1956  
Producer USN Agency No. MN09376  
Title No. 236551 Sale \$65.00  
Illustrates methods for correction of occlusal errors that have occurred in the processing phases of complete denture fabrication. Demonstrates procedures for laboratory remount and patient remount.

**COMPLICATED EXODONTIA - INTRODUCTION**

17 min, 16mm film, optical sd, col 1951  
Producer USN Agency No. MN6722  
Title No. 236750 Sale: W/DRAWN  
Deals with the fundamental procedures involved in the successful removal of all teeth. Gives particular attention to those teeth which require more than the use of forceps alone for extraction, and demonstrates the basic principles underlying a proposed plan for treatment.

**COMPOSITION OF AN AM WAVE**

27 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-527  
Title No. 236870 Sale \$56.50  
Discusses the frequencies in an amplitude modulated wave. Shows how frequencies are determined by applying an am wave to a selective filter circuit. The output of the filter circuit is applied to a scope, the filter is tuned through a given frequency range, and the frequencies contained in the am wave are displayed on the scope. Defines terms such as upper and lower sideband, and compares the power contained in the carrier, using different percentages of modulation. (Kinescope)

**COMPRESSION MOLDING, PT 1, PREPARING THE CHARGE AND LOADING THE MOLD**

11 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 468  
Title No. 237200 Rental \$5.00 Sale \$19.25  
Shows how to set up the press, how to weigh and preheat the charge, and how to clean, lubricate, and load the mold. From the PLASTICS series. No. 3

**COMPRESSION MOLDING, PT 2, MOLDING A SIMPLE PART**

10 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 469  
Title No. 237201 Rental \$5.00 Sale \$17.50  
Shows how to close and breathe the mold, how and when to open the mold, how to prevent pieces from warping, and how to coordinate steps of the molding cycle. From the PLASTICS series. No. 4

**\*COMPUTER COLOR GENERATIONS**

23 min, 16mm film, optical sd, col 1972  
Producer USAEC  
Title No. 002055 Sale \$93.75  
Discusses a technique developed at the Los Alamos Scientific Laboratory that produces color film from the computer without any increase in computer time over an equivalent black and white run. Because more information is possible per frame, the overall expense will drop significantly. Various areas of LASL research, which use computer color film output, are discussed and results illustrated.

**COMPUTER FLUID DYNAMICS**

24 min, 16mm film, optical sd, col 1969  
Producer USAEC  
Title No. 237348 Sale \$115.00  
Demonstrates use of giant electric computers for solving fluid flow problems previously impractical to undertake.

**COMPUTER SYSTEMS IN PERSONNEL ACCOUNTING**

23 min, 16mm film, optical sd, col 1966  
Producer USA Agency No. MF11-5203  
Title No. 237368 Sale \$93.75  
Tells the story of acquisition and application of ADPS in the 4th U.S. Army in the area of personnel accounting.  
CLEARED FOR TV.

**CONCEALED HOMICIDE, THE**

28 min, 16mm film, optical sd, b&w 1970  
Producer USNMAC Agency No. T-1896  
Title No. 237490 Sale \$58.50  
Presents an exercise in observation, through several case histories of persons who were found dead, with no obvious cause of death. The autopsy finding was concealed homicide. (Kinescope)  
CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TV ONLY.

**\*CONFRONTATION - A NURSE AND A DRUG ADDICT**

10 min, 16mm film, optical sd, col 1971  
Producer USNMAC  
Title No. C02056  
Available only as part of a series. Demonstrates the conflict that arises between a white middle class nurse and a drug addict from the ghetto. Shows how the nurse, who once thought of herself as a liberal, is drastically changed after a few weeks. Seeks to explore the dynamics of this relationship and poses some key questions regarding the professional's approach toward the drug user.  
From the PROFESSIONAL DRUG FILMS series.

**\*CONGENITAL ICHTHYOSIFORM ERYTHRODERMA**

18 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004543 Sale: W/DRAWN

**CONGESTIVE HEART FAILURE**

40 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. T-1849-X  
Title No. 238501 Sale \$82.25  
Discusses the difficulty of diagnosing congestive heart failure, particularly left-sided failure. Points out physical signs which should be given special attention in examining such patients. Participating in the discussion are Herbert J. Levine, MD, Tufts University School of Medicine and Richard Gorlin, MD, Harvard Medical School. (Kinescope)

**CONNECTICUT, THE TURNING POINT**

30 min, 16mm film, optical sd, b&w 1966  
Producer USIA Agency No. 01-01528  
Title No. 238850 Rental: W/DRAWN Sale: W/DRAWN  
Examines an experimental eight-week program during which Connecticut college's facilities are opened to a group of underprivileged and under-motivated high school students with the aim of motivating them toward a university education.  
From the REPORT FROM AMERICA series.

**CONNECTING AND ADJUSTING CONTROLS**

19 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 260

Title No. 238855 Sale \$39.25

Describes how to inspect and adjust the elevator and rudder control cables, line up and safety a turn buckle, remove and replace a damaged aileron control cable, and adjust it for proper aileron travel.

From the AIRCRAFT WORK series. Aircraft Maintenance

**\*CONSERVATION IN PUERTO RICO (SPANISH)**

14 min, 16mm film, optical sd, col 1962

Producer USDA Agency No. 1270

Title No. 003929 Sale \$64.00

Describes soil conservation work carried on in island of Puerto Rico.

**\*CONSERVATION VISTAS**

15 min, 16mm film, optical sd, col 1959

Producer USDA Agency No. 1383

Title No. 003930 Sale \$69.00

Presents classroom and outdoor activities that add interest to the teaching of conservation. Teachers are introduced to a wide variety of conservation experiences--from those found in their everyday environment to the more ambitious programs of school forests and school conservation camps.

**CONSTRUCTING A SANITARY PIT PRIVY**

15 min, 16mm film, optical sd, col 1949

Producer USNMAC Agency No. 4-083

Title No. 000387 Sale \$51.75

Demonstrates the public health values of the sanitary pit privy, the principles of sanitation involved in its construction procedures. Recommended for professional use.

**CONSTRUCTING A TYPICAL HOUSEHOLD SYSTEM**

14 min, 16mm film, optical sd, b&w 1952

Producer USNMAC Agency No. M-0050-C

Title No. 000388 Sale \$25.50

Explains the principles and procedures involved in the construction and maintenance of a septic tank and subsurface disposal system, including site inspection and layout, insulation of the septic tank, constructing the tile drainage field, sanitary inspection, and yearly maintenance. User should supplement film with current data.

**CONSTRUCTION OF A FIVE-UNIT BRIDGE - PONTIC PREPARATION, BRIDGE ASSEMBLY, AND ...**

9 min, 16mm film, optical sd, col 1969

Producer USVA Agency No. D-096

Title No. 241391 Sale \$37.75

FULL TITLE--CONSTRUCTION OF A FIVE-UNIT BRIDGE - PREPARATION, BRIDGE ASSEMBLY, AND CEMENTATION. Demonstrates finalization of the five-unit bridge and includes adaptation of the pontic facings, bridge assembly, occlusal adjustment and cementation. Performed by DR Samuel Guyer, Professor and Chairman of the Department of Fixed Prosthodontics, School of Dentistry, Washington University, ST Louis, Missouri.

**CONSTRUCTION OF DIESEL ENGINES, THE**

17 min, 16mm film, optical sd, b&w 1942

Producer USN Agency No. MN00043

Title No. 240700 Sale \$30.50

Shows the general structure of including--several types of diesel engines and the different frame types, cylinder parts, pistons, piston rings, connecting rods, crankshafts, bearings, camshaft and rocker assemblies.

**CONSTRUCTION OF FIVE UNIT BRIDGE PT 1 ABUTMENT PREPARATION**

16 min, 16mm film, optical sd, col 1948

Producer USVA Agency No. D-88

Title No. 001536 Sale \$65.75

Demonstrates the instrumentation for partial veneer crowns on three abutment teeth.

**CONSTRUCTION OF FIVE UNIT BRIDGE PT 2 TEMPORARY BRIDGE, IMPRESSIONS, CONSTRUCTION OF**

14 min, 16mm film, optical sd, col 1969

Producer USVA Agency No. D-90

Title No. 001537 Sale \$52.75

FULL TITLE--CONSTRUCTION OF FIVE UNIT BRIDGE PT 2- BRIDGE, IMPRESSIONS, CONSTRUCTION OF-- CAST. Shows how a temporary bridge of self-polymerizing is made. Demonstrates the methodology for making impressions in mercapton rubber and shows the laboratory procedures for producing a master cast with removable dies.

**CONSTRUCTION OF FIVE UNIT BRIDGE PT 3 - WAX UP OF BRIDGE USING A CONE TECHNIQUE TO DEVELOP**

12 min, 16mm film, optical sd, col 1969

Producer USVA Agency No. D-95

Title No. 001538 Sale \$42.25

FULL TITLE--CONSTRUCTION OF FIVE UN'T BRIDGE PT 3- OF BRIDGE USING A CONE TECHNIQUE TO DEVELOP A HARMONIOUS OCCLUSAL PATTERN. Demonstrates the waxing planes of bridge construction.

**CONSTRUCTION OF THE ARGONNE RESEARCH REACTOR**

12 min, 16mm film, optical sd, b&w 1956

Producer USAEC

Title No. 001539 Sale \$28.00

Shows some of the important stages in the construction of the Argonne Research Reactor, a heavy water reactor, operating at a normal power level of 1,000 KW. Illustrates many important design features by showing various stages in the construction of this reactor.

**CONSTRUCTION OF THE EXPERIMENTAL BOILING WATER REACTOR**

10 min, 16mm film, optical sd, b&w 1957

Producer USAEC

Title No. 001540 Sale \$24.50

Describes highlights of construction of the experimental boiling water reactor (EBWR) a nuclear power plant of 5,000 KW. electrical capacity and the first of the reactors in the AEC's nuclear power development program to be completed. Shows erection of the steel shell for the power plant, special concrete work, and installation of equipment, including the reactor pressure vessel.

**\*CONSTRUCTION SAFETY AND HEALTH TRAINING COURSE**

466 2x2 slides, silent, col 1973

Producer USDL

Title No. 002057 Sale \$75.00

Improves the ability to recognize, avoid and prevent unsafe working conditions on a construction job. These training materials cover all phases of construction safety from pre-job planning to the finished job. Careful study is given to built-in hazards in the use of material-handling loaders, bulldozers and trucks. The dangers present in the use of arc and gas welding, cutting equipment and flammable fuels and liquids are examined and given special attention. Also included and thoroughly discussed are personal protective equipment, hand tools and accessories for major powered equipment. Slides are accompanied by instructor's manuals.

**\*CONTACT THAT KILLS**

21 min, 16mm film, optical sd, col 1959

Producer USBM

Title No. 003561 Sale \$81.75

Progresses to underground coal mining electrical equipment. Illustrates what precautions have to be followed, and the importance of authorizing only qualified men to handle the mine's electrical maintenance program.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15219. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

<b>CONTIGUOUS OSSEOUS TISSUE AUTOGRAPH IN PERIODONTICS</b>		
15 min, 16mm film, optical sd, col	1968	
Producer USVA	Agency No. D-78	
Title No. 241790	Sale \$33.00	
A deep periodontal defect on the distal surface of a premolar is treated by a contiguous osseous tissue autograft. Bone removed from an edentulous ridge is used to fill this infrabony pocket. The rationale of this procedure is explained and post operative results are discussed.		
<b>CONTINUITY OF REHABILITATION SERVICES</b>		
10 min, 16mm film, optical sd, col	1969	
Producer USSR		
Title No. 242060	Sale \$41.00	
Depicts the rehabilitation role of an insurance company in Newark, New Jersey.		
<b>CONTOUR FACE MILLING</b>		
17 min, 16mm film, optical sd, b&w	1945	
Producer USOE	Agency No. OE 227	
Title No. 242175	Rental \$7.50 Sale \$30.50	
Tells how to set up the job, align workpiece square with spindle, make a rough-facing cut, and a finishfacing cut.		
From the MACHINE SHOP WORK series. Operations on the Horizontal Boring Mill, No. 3		
<b>CONTRACT NEGOTIATION TECHNIQUES</b>		
30 min, 16mm film, optical sd, b&w	1958	
Producer USAF	Agency No. TF01-5223	
Title No. 242210	Sale \$52.00	
Demonstrates both correct and incorrect techniques for conducting contract negotiations with representatives of industry, and stresses the importance of the procurement team's need for advance study and data.		
<b>CONTROL OF AIR POLLUTION</b>		
5 min, 16mm film, optical sd, col	1962	
Producer USNMAC	Agency No. MIS-0676	
Title No. 004544	Sale: W/DRAWN	
Acquaints the viewer with the relationship between our modern, technological way of life and air pollution. It stresses the need for expanded research and for increased control effort.		
<b>CONTROL TRANSFORMER</b>		
30 min, 16mm film, optical sd, b&w		
Producer USAF	Agency No. TVK 30-708	
Title No. 242700	Sale \$62.50	
Explains the purpose of a control transformer and the action in the circuit. Discusses and shows graphically the physical and electrical characteristics. Explains transformer action, and defines and shows the position of electrical zero. (Kinescope)		
<b>CONTROLLER-COMPUTER PARTNERSHIP, THE</b>		
8 min, 16mm film, optical sd, col	1969	
Producer USFAA	Agency No. FA-0906	
Title No. 242780	Sale \$26.00	
Explains the emergence of a semi-automated air traffic control environment designed to apply computer technology to the heart of the aviation system. The purpose of this concept is to permit controllers to spend their time making vital flight decisions, with computers performing the routine clerical chores.		
<b>CONTROLLING RECORDS FIRES WITH HIGH EXPANSION FOAM</b>		
13 min, 16mm film, optical sd, col	1966	
Producer USAEC		
Title No. 242830	Sale \$45.25	
Describes high-expansion foam and its characteristics as a fire-fighting agent, particularly with respect to fires involving paper and photographic records in typical open file storage.		
<b>CONTROVERSIAL ASPECTS OF RHEUMATOID ARTHRITIS</b>		
29 min, 16mm film, optical sd, b&w	1969	
Producer USNMAC	Agency No. T-1679	
Title No. 242850	Sale \$59.50	
Discusses such controversial questions as the diagnostic criteria of rheumatoid arthritis, including its differentiation		

from other syndromes, the various therapeutic regimens advocated, and the prognostic factors affecting such patients. (Kinescope)

From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

#### CONVERSION FROM BLACK OIL TO DIESEL FUEL NAVY IMPROVED METHOD

24 min, 16mm film, optical sd, b&w	1950
Producer USN	Agency No. MN06689B
Title No. 006433	Sale \$42.25

Gives procedures to be followed in conversion of a tanker from black oil to diesel fuel cargo.

#### CONVERSION FROM BLACK OIL TO GASOLINE - NAVY CHEMICAL METHOD

27 min, 16mm film, optical sd, b&w	1950
Producer USN	Agency No. MN06689C
Title No. 000564	Sale \$47.00

Shows how a complete conversion from black oil to gasoline cargo involves maintenance tank cleaning by the Butterworth method, the Navy chemical method. Gives detailed instructions concerning the technical method.

#### \*CONVEYOR BELTS - BE CAREFUL

15 min, 16mm film, optical sd, col	1969
Producer USBM	
Title No. 003560	Sale \$62.00
Five of the most common accidents that can occur around belt conveyors in the mineral industry are visually depicted - recommendations for their prevention are outlined and the need for safe mining equipment and facilities is stressed.	
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4880 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.	

#### COOLING SYSTEM AND FUEL SYSTEM, THE

22 min, 16mm film, optical sd, b&w	945
Producer USOE	Agency No. OE 464
Title No. 243425	Rental \$7.50 Sale \$38.50
Explains how to check for leaks in the cooling system and check the fan and water pump. Describes mechanical operation of the carburetor, filters and vents, fuel pump, and leakage in the fuel system.	
From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Preventive Maintenance, No. 4	

#### \*COPING - THE NEW HAVEN STORY

31 min, 16mm film, optical sd, col	1971
Producer USNIMH	
Title No. 002058	Rental \$12.50 Sale \$83.75

Describes different drug treatment and rehabilitation facilities that have been developed in New Haven, Conn.

#### COPPERSMITH, THE - FLARING AND REDUCING

20 min, 16mm film, optical sd, b&w	1942
Producer USN	Agency No. MN02346A
Title No. 243951	Sale \$35.25

Shows how to flare and reduce small and large tubing, and techniques of annealing, bumping, cleaning, and finishing.

#### COPPERSMITH, THE - WORKING OUT BRANCHES FROM A LINE

23 min, 16mm film, optical sd, b&w	1944
Producer USN	Agency No. MN02346B
Title No. 243950	Sale \$40.50

Describes cutting, working out, and installation process. Shows marking cutting, raising of the cup to conform with the branch, tack-welding and fitting, and installation of a saddle branch.

#### CORONARY ARTERY DISEASE - NEWER DIMENSIONS

81 min, 16mm film, optical sd, b&w	1968
Producer USNMAC	Agency No. T-1871-X
Title No. 244510	Sale \$139.50

Discusses metabolic factors associated with atherogenesis, the relevance of lipo-protein analysis, the role of diabetes

mellitus and abnormal glucose tolerance, and the value and pitfalls of history taking. Presents three therapy considerations--myocardial revascularization, beta adrenergic blockade, and the management of lipid and carbohydrate disturbances. By Richard Gorlin, MD, Peter Bent Brigham Hospital, George F Cahill, MD, Elliott P Joslin Laboratory, Diabetes Foundation, Inc, Deaconess Hospital, and Warren J Taylor, MD, and Harvey G Kemp, MD, Harvard Medical School. (Kinescope)

#### CORPSMAN

14 min, 16mm film, optical sd, col 1966  
 Producer USN Agency No. MH10278D  
 Title No. 000565 Sale \$48.50  
 Shows the role of Naval medical personnel in Vietnam.

#### COST REDUCTION - EVERYBODY'S JOB

15 min, 16mm film, optical sd, col 1964  
 Producer USAF Agency No. SFP 1265  
 Title No. 245150 Sale \$51.75  
 Delineates objectives of the Air Force Cost Reduction Program and stresses each individual's responsibilities on their achievement. Emphasizes importance of participating in the Air Force Incentive Awards Program and portrays role of the resident auditor in validating saving resulting from suggestions. Explains rules for minimizing purchase investments and operating costs.  
 CLEARED FOR TV. THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.

#### COST REDUCTION IS A MONEY SPLENDID THING

25 min, 16mm film, optical sd, col 1967  
 Producer USA Agency No. MF20-5186  
 Title No. 245155 Sale: W/DRAWN  
 Examines the importance, implementation, and success of the AMC Cost Reduction Program by MR I Berg, Director.

#### \*COTTON - FIBER WITH A FUTURE

14 min, 16mm film, optical sd, col 1959  
 Producer USDA Agency No. 1340  
 Title No. 245450 Sale \$67.00  
 Tells of growing, harvesting, ginning and processing cotton. describes the advance which scientific research has made in the area.

#### \*COTTON WAREHOUSING

20 min, 16mm film, optical sd, col 1961  
 Producer USDA Agency No. 1453  
 Title No. 245940 Sale \$91.00  
 Illustrates new labor-saving and money-saving types of equipment used to handle cotton bales in warehousing operations--loading and unloading trucks and rail cars - moving into and out of warehouses - and weighing and stacking. Shows equipment best suited for handling from 2 to 20 bales.

#### \*COTTON WAREHOUSING (SPANISH)

20 min, 16mm film, optical sd, col 1961  
 Producer USDA Agency No. 1453-S  
 Title No. 003932 Sale \$91.00  
 Illustrates new labor-saving and money-saving types of equipment used to handle cotton bales in warehousing operations--loading and unloading trucks and rail cars - moving into and out of warehouses - and weighing and stacking. Shows equipment best suited for handling from 2 to 20 bales.

#### \*COUNSELING - A CRITICAL INCIDENT

8 min, 16mm film, optical sd, col 1971  
 Producer USNIMH  
 Title No. 002059  
 Available only as part of a series. Presents a pastoral counselor confronted by a distraught mother who has discovered that her child smokes marihuana. Presents the questions--how can the counselor make the fear and anxieties of each one clear to the other? what is his position or should he have one at all? how do his personal beliefs relate to the doctrine of his church, to popular opinion, and the the laws of his

nation and state? Should he involve himself in helping the mother and child?

From the PROFESSIONAL DRUG FILMS series.  
 RECOMMENDED FOR PROFESSIONAL USE ONLY.

#### COUNTERSINKING, COUNTERBORING AND SPOT FACING

20 min, 16mm film, optical sd, b&w 1942  
 Producer USOE Agency No. OE 048  
 Title No. 246600 Rental \$7.50 Sale \$35.25  
 Shows how to drill holes in steel and cast iron, to countersink holes in steel, to counterbore holes in cast iron and to spot-face holes in cast iron.  
 From the MACHINE SHOP WORK series. Operations on the Drill Press, Vertical Drill, No. 2

#### \*COUNTING WHAT COUNTS - WORK COUNTS

10 min, 16mm film, optical sd, col 1973  
 Producer USA Agency No. MF-61-5721  
 Title No. 003572 Sale \$40.75  
 Illustrates through animation the meaning, techniques, and uses of work count as a scoring system for the supervisor's evaluation of his employees.

#### COUNTING WHOLE BODY RADIOACTIVITY

11 min, 16mm film, optical sd, col 1964  
 Producer USAEC  
 Title No. 001541 Sale \$42.00  
 Outlines the program of use of the Donner Laboratory Whole Body Counter, an instrument developed to measure levels of radioactivity within the human body. Gives special reference to studies concerned with the iron metabolism of red blood cells and with calcium turnover in various disease.

#### \*COUNTY AGENT, THE

17 min, 16mm film, optical sd, b&w 1949  
 Producer USOIAA Agency No. 55-00488-09  
 Title No. 247005 Rental: W/DRAWN Sale: W/DRAWN  
 Demonstrates the activities of a county agent in serving the farmer, such as giving advice on soil conservation and helping plan a new barn. Emphasizes cooperation among farmers.  
 From the OHIO TOWN series.

#### \*COUNTY GOVERNMENT

22 min, 16mm film, optical sd, b&w 1950  
 Producer USIA  
 Title No. 247060 Rental: W/DRAWN Sale: W/DRAWN  
 Shows how County Government came into being, the functions and duties of each of the County Departments, and need and value of modernization of this form of government.

#### COVERING HOT AND COLD PIPES

22 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 109  
 Title No. 247750 Sale \$46.25  
 Describes materials used to insulate hot and cold pipes. Explains how to insulate straight pipe and how to cover coupling, bend, elbow, valve and flange.  
 From the SHIPBUILDING SKILLS series. Pipe Insulation, No. 1

#### \*COWBOY

17 min, 16mm film, optical sd, b&w 1966  
 Producer USIA Agency No. 02-02684  
 Title No. 247950 Rental: W/DRAWN Sale: W/DRAWN  
 Examines the ordinary life on a California ranch of a contemporary 'cowpuncher,' Bill Bailey, and his family. The narration, which is by the cowboy and his family, reveals a life of hard work, simple pleasures and profound rewards.

#### \*COWBOY LEGEND

15 min, 16mm film, optical sd, b&w 1963  
 Producer USIA Agency No. 04-00301  
 Title No. 247960 Rental: W/DRAWN Sale: W/DRAWN  
 Provides a realistic look at today's American cowboy as contrasted with the Hollywood stereotype. Depicts the life of a Montana ranch family, emphasizing mechanization and other modern methods of cattle raising.

**CRADLE IS ROCKING, THE**

12 min, 16mm film, optical sd, b&w 1968  
**Producer USA** Agency No. 01-11042  
**Title No. 248025** Rental: W/DRAWN Sale: W/DRAWN  
Traces the origins of jazz and depicts its continuing vitality in New Orleans, the city of its birth. Shows that jazz is still an expression of the daily joys and tribulations within the milieu from which it sprang many years ago. Narrated by a jazz musician.

**CRANE OPERATIONS - FLOATING CRANES**

16 min, 16mm film, optical sd, b&w 1955  
**Producer USN** Agency No. MN08076A  
**Title No. 248185** Sale \$28.50  
Gives basic rules for operating the floating crane efficiently. Shows proper positioning and tying, securing the load to the hook, proper methods in hoisting heavy loads, safety precautions, rotating problems, landing the loads, and operating the cranes by using combined operations.

**CRANE OPERATIONS - SAFETY PRECAUTIONS**

14 min, 16mm film, optical sd, b&w 1955  
**Producer USN** Agency No. MN08076B  
**Title No. 248190** Sale \$25.50  
Shows procedures and rules to be followed in the safe operation of mobile cranes.

**\*CREATIVITY**

10 min, 16mm film, optical sd, col 1958  
**Producer USDA** Agency No. 1000-28  
**Title No. 249379** Sale \$47.00  
Portrays the story of the creation of the Earth and the power and possibilities of creative thinking and imagination through live photography and animation. Includes quotations from Ovid, Shakespeare, Bacon, Einstein, Victor Hugo, and other outstanding literary and scientific figures.

**\*CREEPING ERUPTION**

8 min, 16mm film, optical sd, col 1962  
**Producer ILDS**  
**Title No. 004545** Sale: W/DRAWN

**\*CREW BOSS**

35 min, 16mm film, optical sd, col 1962  
**Producer USDA** Agency No. 4012  
**Title No. 249526** Sale \$172.00  
A dramatization about a crew boss and a project crew on their first shift on a fire line. Describes a good fire camp, fire line practice and the characteristics of a good supervisor.

**CRICOTHYROIDOTOMY**

11 min, 16mm film, optical sd, col 1953  
**Producer USN** Agency No. MN07469  
**Title No. 249530** Rental \$7.50 Sale \$37.25  
Shows by live action and animation the procedure for temporary relief of an obstruction in the air passage of a wounded man by the performance of a cricothyroidotomy.

**CROSSING AT NIGHT**

20 min, 16mm film, optical sd, col 1943  
**Producer USN** Agency No. MN00202U  
**Title No. 000566** Sale: W/DRAWN  
Defines the meaning of crossing in relation to a ship's bearings and presents several examples of ships crossing, the exchange of signals, and the resultant action of each ship.

**CROSSING STEAM VESSELS**

15 min, 16mm film, optical sd, b&w 1943  
**Producer USN** Agency No. MN00202R  
**Title No. 000567** Sale \$27.00  
Explains whistle signals and rules for crossing in international and inland waters.

**Crossover**

15 min, 16mm film, optical sd, col 1963  
**Producer USAF** Agency No. SFP 1151  
**Title No. 250630** Sale \$50.00  
Shows the Thunderbirds off on a goodwill tour of South America, to thrill thousands with spectacular aerial demonstrations.

**CROSSWIND TECHNIQUE FOR A CONVENTIONAL GEARED FIXED WING AIRCRAFT**

25 min, 16mm film, optical sd, b&w 1960  
**Producer USA** Agency No. TF46-2821  
**Title No. 001542** Sale \$43.75  
Explains the aerodynamic principles involved in conventional geared fixed wing aircraft in crosswind.

**CRUTCH AND CANE MEASUREMENT**

6 min, 16mm film, optical sd, col 1970  
**Producer USNMAC** Agency No. M-1789  
**Title No. 251273** Sale \$23.50  
Shows the proper method of measuring a patient for axillary crutches,腋杖, lofstand crutches, or a cane.

**CRUTCH BALANCING FOR THE PARAPLEGIC PATIENT**

11 min, 16mm film, optical sd, col 1966  
**Producer USNMAC** Agency No. M-1407  
**Title No. 251275** Sale \$35.75  
The paraplegic patient with braces and crutches is now outside of the parallel bars where he goes through a series of crutch movements, weight shifting and total body balance with the constant use of the tripod principles of support. Spotting techniques for all activities are demonstrated. The patient finally masters the drag-to, the swing-to, and the swingthrough with the use of crutches.

**CRY FOR HELP, THE**

33 min, 16mm film, optical sd, b&w 1963  
**Producer USNMAC** Agency No. MIS-0682  
**Title No. 251300** Sale \$56.75  
A training film for police officers and law enforcement agencies, designed to develop a feeling of concern and understanding in handling the suicidal person. Presents some of the major causes of suicide and problems of handling. Teaches law enforcement officers to recognize their 'cry for help.'

**CRYSTAL STRUCTURES AT HIGH PRESSURES**

40 min, 16mm film, optical sd, col 1970  
**Producer USNBS**  
**Title No. 251501** Sale \$133.75  
Describes and illustrates basic principles of X-ray diffraction of single crystals and their application to structure determinations. Describes a new technique developed by National Bureau of Standards scientists for obtaining crystal structures of high pressure forms of materials. The concept of pressure-temperature phase equilibrium diagrams is developed and illustrated by striking sequences of high pressure transitions, in carbon tetrachloride, potassium nitrate, water, and benzene.

**CUMMINGS CITY - MILITARY ASSISTANCE IN CIVIL DISASTER**

35 min, 16mm film, optical sd, b&w 1958  
**Producer USDOD** Agency No. AFIF 0089  
**Title No. 000568** Sale: W/DRAWN  
Describes the assistance given by the armed services when natural disasters strike civilian communities in continental United States, using a hypothetical town, Cummings City.

**CUMMINGTON STORY, THE**

22 min, 16mm film, optical sd, b&w 1945  
**Producer USOWIO**  
**Title No. 252400** Sale \$46.25  
Portrays the experiences of a refugee family in a New England town, their diffidence as newcomers, and their later acceptance into the life of the community.  
From the AMERICAN SCENE series, No. 14

**CUP O' JOE, A**

20 min, 16mm film, optical sd, col 1969  
**Producer USN** Agency No. MN10510  
**Title No. 252435** Sale \$82.00  
Shows career opportunities, foreign travel and social life for men and women in the modern Navy.

\* INDICATES NEW ENTRY

**CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 1**

30 min, 16mm film, optical sd, b&w 1967  
**Producer USNMAC** Agency No. T-1865-X  
**Title No. 252445** Sale \$60.50

Presents the problem of selecting patients from the hypertension group who may have primary aldosteronism. James C Melby, MD, Richard H Egdaal, MD, and William Hollander, MD, Boston University School of Medicine, discuss diagnostic methods. (Kinescope)

**CURABLE HYPERTENSION AND PRIMARY ALDOSTERONISM, PT 2**

30 min, 16mm film, optical sd, b&w 1967  
**Producer USNMAC** Agency No. T-1866-X  
**Title No. 252446** Sale \$60.50

Discusses therapeutic trial with aldactone and adrenal arteriography as useful additions to workup of hypertension patients. Participating are Paul C Kahn, md, Tufts University School of Medicine, and James C Melby, MD, and Richard H Egdaal, MD, Boston University School of Medicine. (Kinescope)

**\*CURIOS ALICE**

14 min, 16mm film, optical sd, col 1971  
**Producer USNIMH**

**Title No. 002060** Rental \$10.00 Sale \$49.50  
 Portrays an animated fantasy based upon the characters in 'Alice in Wonderland'. Shows Alice touring a strange land where everyone has chosen drugs - the Mad Hatter uses LSD, the Dormouse uses sleeping pills, and the King of Hearts represents heroin. Alice concludes that drug abuse is senseless. Fun for grade school children to watch, but also communicates effectively the seriousness of drug abuse.

**CURRENT AND ELECTROMOTIVE FORCE**

11 min, 16mm film, optical sd, b&w 1945  
**Producer USN** Agency No. MN01540T

**Title No. 252650** Rental \$5.00 Sale \$19.25  
 Explains electron theory, the arrangement of molecules, building up of current, conductors, electromotive force, resistance, and chemical and mechanical sources of electromotive force.

**CURRENT CONCEPTS IN EPILEPSY, PT 1, INFANTS AND CHILDREN**

40 min, 16mm film, optical sd, b&w 1965  
**Producer USNMAC** Agency No. T-1837-X

**Title No. 252660** Sale \$81.00  
 Discusses the definition of epilepsy versus that of seizures. Explains the different etiologies, manifestations, and prognoses. Outlines diagnostic procedures and treatments. (Kinescope)

**CURRENT CONCEPTS IN EPILEPSY, PT 2, ADULTS**

40 min, 16mm film, optical sd, b&w 1965  
**Producer USNMAC** Agency No. T-1838-X

**Title No. 252661** Sale \$78.50  
 Stresses the importance of detailed case histories in the diagnosis of epilepsy. Discusses studies indicated if the history, EEG, or plain skull films suggest a focal or lateralized process. Discussed by Charles A Kane, MD, Boston University School of Medicine. (Kinescope)

**CURRENT FLOW, WHAT IT IS**

4 min, 16mm film, optical sd, b&w 1954  
**Producer USN** Agency No. MN08016C

**Title No. 252850** Sale \$9.50  
 Shows that electrons move in chain reactions due to repulsion between electrons and attraction between electrons and positive atoms. Demonstrates that in a wire when an electron moves at one point an electron moves at every other point and shows that the amount of current depends upon the number of electrons per second moving past a point.

**CURRENT METHODS IN PLUTONIUM FUEL FABRICATION**

30 min, 16mm film, optical sd, col 1965  
**Producer USAEC**

**Title No. 001543** Sale \$160.75  
 Depicts the steps employed as of December 1964 in the

Fabrication Of plutonium-uranium ceramic fuel elements for the PRTR and EBWR at Hanford's Plutonium Fabrication Pilot Plant. Presents the varied types of elements fabricated, and shows in detail various processes which are employed.

**CURRENT STATUS OF ANTICOAGULANT THERAPY**

30 min, 16mm film, optical sd, b&w 1966  
**Producer USNMAC** Agency No. T-1854-X

**Title No. 252875** Sale \$60.50  
 Describes the white, red, and mixed thrombus, and stresses implications. Graphically illustrates the action of heparin and coumarins on the clotting mechanism. Discusses the clinical use of these drugs in myocardial infarction, cerebrovascular disease, thromboembolic disease, congestive heart failure, and venous disease. Presented by Daniel DEykin, md, and Edwin W Salzman, MD, Harvard Medical School. (Kinescope)

**CURRENT TRENDS IN THE THERAPY FOR NARCOTIC ADDICTION**

29 min, 16mm film, optical sd, b&w 1970  
**Producer USNMAC** Agency No. T-1704

**Title No. 252880** Sale \$60.50  
 Points out Dr Casriel's theory that narcotics addiction is basically withdrawal behind a chemical as a response to stress, a condition requiring intensive psychotherapy. Dr Jaffe questions the psychiatric approach and discusses the methadone treatment of addicts in Chicago. (Kinescope)

From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

**CUSP GOLD INLAY**

4 min, 16mm film, optical sd, col 1967  
**Producer USVA** Agency No. D-002

**Title No. 252950** Sale: W/DRAWN  
 A single concept film. For a descriptive statement, see the series title.

From the OPERATIVE DENTISTRY - ADVANCED CONCEPTS Series.

**\*CUTANEOUS VASCULAR PHENOMENON ASSOCIATED WITH FUNCTIONING CARCINOID TUMOR**

4 min, 16mm film, optical sd, col 1962  
**Producer ILDS**

**Title No. 004546** Sale: W/DRAWN  
 Follows the course of the typical flushing caused by the release of vasoactive chemicals in the functioning carcinoid patient.

**CUTTING A DOVETAIL TAPER SLIDE**

26 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 073

**Title No. 253160** Rental \$10.00 Sale \$45.50  
 Shows how to machine a dovetail taper slide on the vertical milling machine, use a rotary table in milling a taper, and mill to layout lines.

From the MACHINE SHOP WORK series. Operations on the Vertical Milling Machine, No. 2

**CUTTING A KEYWAY ON END OF A FINISHED SHAFT**

13 min, 16mm film, optical sd, b&w 1941  
**Producer USOE** Agency No. OE 019

**Title No. 253200** Rental \$7.50 Sale \$23.75

Shows the correct setup for a rigid arbor assembly, the calculations and operations necessary to locate the work on the table for the cut, the calculation of the speed and feed in terms of type and size of cutter and type of metal to be cut, and the use of rapid traverses and power feeds.

**CUTTING A ROUND END KEYWAY**

22 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 074

**Title No. 253215** Rental \$7.50 Sale \$38.50

Describes how to cut a round end keyway in a steel shaft, align the spindle and workpiece by using a test bar, use a two-lip end mill to sink a hole in solid stock, set trip dogs and table stops, and check the finished dimensions of a round end keyway.

From the MACHINE SHOP WORK series. Operations on the Vertical Milling Machine, No. 3

\* INDICATES NEW ENTRY

**CUTTING A SHORT RACK**

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 208  
Title No. 253245 Rental \$7.50 Sale \$32.00  
Tells how to set up and align the workpiece on a milling machine table, position table and workpiece in relation to the cutter and rough- and finish-mill the workpiece.  
From the MACHINE SHOP WORK series. Operations on the Milling Machine, No. 6

**CUTTING A TAPER WITH THE COMPOUND REST AND WITH A TAPER ATTACHMENT**

11 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 008  
Title No. 253250 Rental \$5.00 Sale \$19.25  
Shows how to set the compound rest, to machine a steel taper, to set the taper attachment, to machine a small taper and to use a taper plug gage.  
From the MACHINE SHOP WORK series. Operations on the Engine Lathe, No. 3

**CUTTING AN EXTERNAL NATIONAL FINE THREAD**

12 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 010  
Title No. 253350 Rental \$7.50 Sale \$22.25  
Discusses various shapes of threads and their uses. Describes characteristics of the national fine thread. Shows procedures used to cut such a thread.  
From the MACHINE SHOP WORK series. Operations on the Engine Lathe, No. 5

**CUTTING AN INTERNAL ACME THREAD**

22 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 056  
Title No. 253400 Rental \$7.50 Sale \$38.50  
Shows how to cut a one-fourth pitch acme thread on an engine lathe.  
From the MACHINE SHOP WORK series. Operations on the Engine Lathe, No. 8

**CUTTING AN INTERNAL TAPER PIPE THREAD**

20 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 057  
Title No. 253450 Rental \$7.50 Sale \$35.25  
Explains how to use a taper attachment, bore a tapered hole to gage size for threading, thread a tapered hole to fit a gage and check pipe threads with a taper thread plug gage.  
From the MACHINE SHOP WORK series. Operations on the Engine Lathe, No. 9

**CUTTING AND BONING A FOREQUARTER OF BEEF**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 456  
Title No. 253500 Rental \$7.50 Sale \$33.75  
Explains how to chill and quarter beef, how to trim the fore-quarter, how to cut wing, brisket and chuck, and how to prepare meat for freezing or canning.  
From the FARM WORK series. Meat Cutting, No. 1

**CUTTING AND BONING A HINDQUARTER OF BEEF**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 457  
Title No. 253550 Rental \$7.50 Sale \$30.50  
Shows how to chill beef, quarter it, trim it, and prepare the meat for freezing or canning.  
From the FARM WORK series. Meat Cutting, No. 2

**CUTTING AND THREADING PIPE BY HAND**

12 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 106  
Title No. 253650 Sale \$26.75  
Explains how to use pipe cutter and pipe reamer, select and insert proper dies in stock, thread pipe by hand, test threads for it, prepare fitted pipe for delivery and care for tools.  
From the SHIPBUILDING SKILLS series. Pipefitting, No. 2

**CUTTING AND THREADING PIPE ON A POWER MACHINE**

17 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 107  
Title No. 253700 Sale \$35.75  
Explains how to measure and cut pipe for fittings, how to

ream pipe which has been cut and how to thread pipe by machine.

From the SHIPBUILDING SKILLS series. Pipefitting, No. 3

**CUTTING COVE MOLDING AND A COREBOX**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 311  
Title No. 253715 Rental \$7.50 Sale \$33.75  
Explains how to select stock for cove molding, cut and rip cove molding, select the proper blade for oblique cutting, and cut a deep hollow.  
From the PRECISION WOOD MACHINING series. Operations On the Variety Saw, No. 4

**CUTTING EXTERNAL ACME THREAD**

16 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 045  
Title No. 253720 Rental \$7.50 Sale \$28.50  
Explains how to cut threads with and without using the threading dial, how to finish-machine the threads to size and how to check thread size with a thread gage.  
From the MACHINE SHOP WORK series. Operations on the Engine Lathe, No. 7

**CUTTING GROOVES WITH CIRCULAR SAW BLADES**

22 min, 16mm film, optical sd, b&w 1952  
Producer USOE Agency No. OE 320  
Title No. 253730 Rental \$7.50 Sale \$38.50  
Describes how to set up a machine to cut grooves and the operation for cutting grooves in stiles, rails and splines - and cut stop channels in mirror frame members.

**CUTTING KEYWAYS**

15 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 012  
Title No. 253750 Rental \$7.50 Sale \$27.00  
Shows the operations necessary to cut a sharp and slight taper on a gear blank. Demonstrates a compound rest, the taper attachment, a protractor and a ring gauge.

**CUTTING TEETH ON A WORM GEAR**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 211  
Title No. 253850 Rental \$7.50 Sale \$30.50  
Tells how to set dividing head for specified indexing, position workpiece for gashing, gash the teeth on the workpiece, position workpiece under dead center of hob, mesh gashed gear with hob and hob the teeth.  
From the MACHINE SHOP WORK series. Operations on the Milling Machine, No. 9

**CUTTING TENONS AND SEGMENTS**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 308  
Title No. 253900 Rental \$7.50 Sale \$27.00  
Shows how to lay out and cut a tenon, to set up equipment, to prepare a jig, to guide the jig and to use a slide miter gage.  
From the PRECISION WOOD MACHINING series. Operations On the Variety Saw, No. 3

**CUTTING THREADS WITH TAPS AND DIES**

20 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 034  
Title No. 253950 Rental \$7.50 Sale \$33.75  
Shows and explains the methods, operations, and procedures used when cutting small threads with the use of hand taps and dies.

**\*CUTTING THREADS WITH TAPS AND DIES (FRENCH)**

20 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 034  
Title No. 001544 Rental \$7.50 Sale \$33.75  
Shows and explains the methods, operations, and procedures used when cutting small threads with the use of hand taps and dies.

\* INDICATES NEW ENTRY

**CUTTING WITH CARBIDE TOOLS, PT 1, SINGLE POINT**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 244  
Title No. 254100 Rental \$7.50 Sale \$33.75  
Shows how to select the proper tool and set up a job, to calculate speed, feed and depth of cut, to machine on a lathe and to correct unsatisfactory machining.  
From the MACHINE SHOP WORK series. Carbide Cutting Tools, No. 1

**CUTTING WITH CARBIDE TOOLS, PT 2, MILLING CUTTERS**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 245  
Title No. 254101 Rental \$7.50 Sale \$27.00  
Demonstrates how to face-mill a steel forging with a carbide milling cutter.  
From the MACHINE SHOP WORK series. Carbide Cutting Tools, No. 5

**CYCLE LOGIC - CYCLE SAFETY**

25 min, 16mm film, optical sd, col 1967  
Producer USAF Agency No. TF 5990  
Title No. 254200 Sale \$84.75  
Demonstrates safe operation and handling of motorcycles. Shows how to start, clutch, brake and accelerate. Explains anticipation riding in entering intersections, taking curves, changing lanes, keeping safe distances and avoiding road hazards. Covers city, country road and freeway driving conditions. Also stresses the importance of protective clothing and good posture.  
Cleared for TV.

**CYLINDER HEAD**

16 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02364H  
Title No. 000569 Sale \$28.50  
Demonstrates how to inspect and recondition the cylinder head.

**CYLINDER HEAD AND PISTON**

20 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02364E  
Title No. 000570 Sale \$35.25  
Shows how to disassemble the cylinder head and piston. Tells how to remove valves and crossheads and shows the other usage.

**CYLINDER HEAD REMOVAL**

22 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03708A  
Title No. 000571 Sale \$38.50  
Shows how to remove piston oiling cooling tubes, cylinder head covers, test valve, rocker arm assemblies, test valves, and piston cooling oil lines.

**CZECHOSLOVAKIA - 1918-1968**

15 min, 16mm film, optical sd, col  
Producer USA  
Title No. 254515 Rental: W/DRAWN Sale: W/DRAWN  
Portrays in newsreel fashion Czechoslovakia's history, including her freedom between the two World Wars, the 1939 Nazi invasion, her subsequent 'liberation' and beginning of reconstruction. Culminates with the dramatic events of the Soviet invasion with planes, tanks and troops in August, 1968. Sequences are self-explanatory and there is no narration.

**D-DAY CONVOY**

19 min, 16mm film, optical sd, b&w 1948  
Producer USA Agency No. CHR-B-015  
Title No. 254725 Sale \$33.75  
Shows postwar recapitulation of activities prior to and including D-day. Depicts how American troops were moved from all parts of England to embarkation posts for the Normandy invasion.

**DADDY CAN'T FIND MY SOCKS**

28 min, 16mm film, optical sd, col 1970  
Producer USHSMH  
Title No. 254860 Sale \$111.75  
Acquaints women with the necessity of having an annual PAP test. Designed for the general public.

**DAILY ENEMY, THE**

14 min, 16mm film, optical sd, col 1960  
Producer USDOD Agency No. DOD IS 04  
Title No. 254880 Sale \$48.50  
Shows how loyal personnel working on classified defense contracts can jeopardize security by playing into the hands of 'the daily enemy,' through carelessness-distributes to CF and EES for loan to defense contractors and other industrial organizations.

**DAMAGE CONTROL - CIVILIAN-MANNED SHIPS**

21 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. MN08387  
Title No. 255382 Sale \$37.00  
Explains how individual crew members fit into the damage control organization of MSTS ships in service, and shows how practice through drills can develop skill, confidence, and readiness for emergencies.

**DAMAGE CONTROL - EFFECTS OF WEIGHT ON STABILITY, PT 1, SHIFT OF WEIGHT**

35 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN00061G  
Title No. 255380 Sale \$72.50  
Shows effects of vertical and athwartship shifts of weight on stability. Describes how curve of static stability can be determined mathematically.

**DAMAGE CONTROL - EFFECTS OF WEIGHT ON STABILITY, PT 2, WEIGHT CONDITIONS**

23 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN00061H  
Title No. 255381 Sale \$48.75  
Shows effects of changes of weight on the stability of a cruiser in situations such as normal conditions of full load, after fuel was used from tanks below 'G', weight taken on topside, and when topside weight shifted, causing keel to rise above center of gravity.

**DAMAGE CONTROL - ELEMENTS OF STABILITY IN SHIPS**

37 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00061F  
Title No. 255387 Sale \$76.25  
Describes principles of buoyancy and gravity. Shows the effects of loading on stability and period of roll of a ship.

**DAMAGE CONTROL - LIST AND STABILITY AFTER DAMAGE, PT 1, ESTIMATING THE SITUATION**

16 min, 16mm film, optical sd, b&w 1948  
Producer USN Agency No. MN00061N  
Title No. 255388 Sale \$34.25  
Gives list of stability with proper corrective measures if list is encountered at sea.

**DAMAGE CONTROL - LOOSE WATER IN STABILITY, PT 1, IN INTACT SPACES**

13 min, 16mm film, optical sd, b&w 1947  
Producer USN Agency No. MN00061L  
Title No. 255398 Sale \$28.50  
Describes principles involving free surface. Shows that loss of 'G M' varies directly as the length of compartment, and loss of 'G M' varies as cube of width of compartment.

**DAMAGE CONTROL - LOOSE WATER IN STABILITY, PT 2, IN SPACES OPEN TO THE SEA**

13 min, 16mm film, optical sd, b&w 1947  
Producer USN Agency No. MN00061M  
Title No. 255390 Sale \$28.50  
Shows effect of free communication on stability.

**DAMAGE CONTROL - PLASTIC REPAIRS**

20 min, 16mm film, optical sd, b&w 1962  
**Producer USN** Agency No. MN 09537-C  
**Title No. 001545** Sale \$35.25  
 Gives safety precautions in applying epoxy resin patches to ruptures or severed pipes, broken flanges and holes in bulkheads or foundations.

**DAMAGE CONTROL - THE METACENTER IN STABILITY, PT 1**

26 min, 16mm film, optical sd, b&w 1945  
**Producer USN** Agency No. MN000611  
**Title No. 255394** Sale \$54.75  
 Shows the importance of the metacenter and its relationship to stability. Describes metacenter on circular and rectangular forms, effect of shift of center of gravity with relation to the metacenter, conditions of good stability, and equilibrium and capsizing.

**DAMAGE CONTROL - THE METACENTER IN STABILITY, PT 2**

22 min, 16mm film, optical sd, b&w 1945  
**Producer USN** Agency No. MN00061J  
**Title No. 255395** Sale \$46.25  
 Describes the effect on metacenter of changes in value of 'G', relationship of metacenter height with range of stability, and initial stability in terms of displacement. Gives example of a warship on a cruise and changes of stability due to changes of weight through depletion of stores, fuel and ammunition.

**DANCE LITTLE CHILDREN (SPANISH)**

25 min, 16mm film, optical sd, col 1961  
**Producer USNMAC** Agency No. M-0684  
**Title No. 255700** Sale \$84.75  
 Tells the story of teenagers and the pressures they are under today-lewd publications, sex magazines, dances. The V D investigator on a case shows what must be done and how to uncover early cases of syphilis and stresses that all cases must be located, contacted, and tested in order to break the chain of syphilis.

**DANGEROUS WAR TROPHIES**

12 min, 16mm film, optical sd, b&w 1969  
**Producer USA** Agency No. MF20-5525  
**Title No. 256475** Sale: W/DRAWN  
 Shows how dangerous war trophies can cause accidents and how they often get into the hands of criminals.  
**CLEARED FOR TV.**

**\*DANGERS ALONG HAULAGEWAYS**

22 min, 16mm film, optical sd, col 1958  
**Producer USBM**  
**Title No. 003568** Sale \$87.50  
 Dramatizes unsafe working procedures in haulage operations in various underground ore mines.  
 PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**\*DARI - AFGAN PERSIAN - BASIC COURSE, UNITS 1 - 60**

25 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004049** Sale \$81.25  
 Cassettes and accompanying text are both available for \$91.25.

**OTHER FORMAT(S) or VERSION(S)**

49 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004050** Sale \$147.00  
 Tape set and accompanying text are both available for \$157.00.

**DATA FOR SERVICE TEST EVALUATION OF ARMY AIR DEFENSE SYSTEMS**

14 min, 16mm film, optical sd, col 1963  
**Producer USA** Agency No. MF45-9556  
**Title No. 000572** Sale \$48.50  
 Depicts the instrumentation and techniques used by the U S

Army Air Defense Board to obtain and reduce data from service tests conducted to evaluate the performance of all types of Air Defense weapons.

**THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.**

**\*DATE WITH DISASTER**

30 min, 16mm film, optical sd, col 1971  
**Producer USOEP**  
**Title No. 002061** Rental \$12.50 Sale \$90.00  
 Shows how the hospitals in one city prepared to react in any medical emergency. When time is so precious in an emergency, preparedness can spell the difference between life or death.

**DATELINE ALASKA**

12 min, 16mm film, optical sd, b&w 1965  
**Producer USDOD** Agency No. AFMR 0639  
**Title No. 257750** Sale \$26.75  
 Reviews the damage resulting from the 1964 Alaskan earthquake and portrays fast restoration to near normal operation. Cites the courage of the Alaskan people and the quick response of Congress, the Armed forces, the Red Cross and other agencies in providing funds, emergency and rebuilding aid, as reasons for Alaska's fast recovery.  
**THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.**

**DAY IN AMERICA, A**

29 min, 16mm film, optical sd, col 1969  
**Producer USDOD** Agency No. AFIF 0187  
**Title No. 258845** Sale \$117.50  
 Presents a day in the life of America from dawn through evening hours. Features all people of America--professionals, tradesmen, sportsmen, children at school and many others going about their business, keeping America on the move under a democratic system. Stresses freedom to work, worship and play. Shows a cross section of the country with an emphasis on the people.

**DAY IN MARCH, A**

15 min, 16mm film, optical sd, b&w 1966  
**Producer USIA** Agency No. 04-01617  
**Title No. 258985** Rental: W/DRAWN Sale: W/DRAWN  
 Emphasizes the open society handling of U S Space Activities by juxtaposing the Gemini III launch and recovery against activities of American youth picnicking on the nearby beach to observe the events.

**DAY IN THE DEATH OF DONNY B, A**

14 min, 16mm film, optical sd, b&w 1970  
**Producer USNIMH**  
**Title No. 258980** Rental \$7.50 Sale \$32.50  
 Dramatizes narcotic addiction among youths in the urban ghetto.

**DAY IN VIETNAM, A**

28 min, 16mm film, optical sd, col 1967  
**Producer USMC** Agency No. MH10382B  
**Title No. 259150** Sale \$113.50  
 Shows Navy and Marine Corps action in Vietnam.

**\*DAY ON AN AMERICAN FARM, A**

42 min, 16mm film, optical sd, col 1963  
**Producer USDA** Agency No. 3238-1  
**Title No. 259450** Sale \$182.00  
 Shows that with the use of modern equipment, longrange planning and good management, the operation of a 300-acre dairy farm can be a successful family enterprise. Includes the role of the co-op and family participation in community life.

**DAY THAT MADE A DIFFERENCE, THE**

27 min, 16mm film, optical sd, col 1964  
**Producer USOCD** Agency No. DODCD38-226  
**Title No. 000573** Sale: W/DRAWN  
 Documents the 1-day shelter stocking efforts of New Orleans and San Francisco.

\* INDICATES NEW ENTRY

**DAY TOMORROW BEGAN, THE**

30 min, 16mm film, optical sd, col 1967

Producer USAEC

Title No. 001546

Sale \$125.00

Describes and traces the history of the building and testing of CP-1, the first atomic pile, and the work of the scientific team which achieved the first sustained chain reaction on Dec. 2, 1942.

**DAY WITHOUT END - DUTIES OF A CIVIL DEFENSE DIRECTOR**

18 min, 16mm film, optical sd, b&amp;w 1965

Producer USOCD

Agency No. DODCD20-225

Title No. 000574

Sale: W/DRAWN

Portrays a day in the life of a civil defense director of a small American city, dramatizing the variety of duties that must be performed to plan and manage civil defense effectively.

**DAY'S WORK OF A NAVIGATOR AT SEA**

15 min, 16mm film, optical sd, b&amp;w 1950

Producer USN

Agency No. MN06742B

Title No. 259825

Sale \$27.00

Reviews the general duties of a navigator on a destroyer, including morning position, morning Sun, time signal, noon Sun, course changes, afternoon Sun, evening stars, and night orders.

**DAY'S WORK OF A NAVIGATOR IN PILOT WATERS**

13 min, 16mm film, optical sd, b&amp;w 1950

Producer USN

Agency No. MN06742C

Title No. 259800

Sale \$23.75

Reviews the general duties of a navigator on a destroyer, including working LORAN position, studying harbor charts and tide tables, operating fathometer, taking bearings, making soundings, and anchoring.

**\*DAYS OF A TREE**

28 min, 16mm film, optical sd, b&amp;w 1956

Producer USDA

Agency No. 1254

Title No. 003933

Sale \$125.00

A boy and his dad eagerly set out on a fishing trip that will take them to dad's favorite boat fishing haunts. Dad is chagrined and the boy disillusioned to find the once-clear streams now a mass of charred debris, laid waste by repeated forest fires through the years. The boy learns this is only one of many places throughout our country damaged by forest fires.

**DC CIRCUIT PARAMETERS**

33 min, 16mm film, optical sd, b&amp;w

Producer USAF

Agency No. TVK 30-108

Title No. 259910

Sale \$68.25

Defines and discusses characteristics of current, electromotive force, and resistance. Lists five common sources of electromotive force and demonstrates each. Discusses and demonstrates factors affecting the resistance of a wire conductor. (Kinescope)

**DC MOTOR, PT 1, MECHANICAL OVERHAUL**

20 min, 16mm film, optical sd, b&amp;w 1945

Producer USOE

Agency No. OE 392

Title No. 259917

Rental \$7.50 Sale \$35.25

Tells how to test for electrical and mechanical faults, dismantle DC motor, turn the commutator, repair and replace field coils, assemble the motor, and adjust and make final tests.

From the *ELECTRICAL WORK* series. Motor Maintenance And Repair, No. 1

**DC MOTOR, PT 2, REWINDING**

37 min, 16mm film, optical sd, b&amp;w 1945

Producer USOE

Agency No. OE 393

Title No. 259918

Rental \$12.50 Sale \$63.50

Tells how to dismantle and clean an armature core, determine commutator pitch, reinsulate the core, insert coils, band an armature, shape coil ends, lay in and solder leads, balance and impregnate the armature, and turn a commutator.

From the *ELECTRICAL WORK* series. Motor Maintenance And Repair, No. 2

**DC MOTORS**

40 min, 16mm film, optical sd, b&amp;w

Producer USAF

Agency No. TVK 30-703

Title No. 259916

Sale \$82.25

Explains the basic principles of DC motor operation by a progressive development of magnetic fields and shows how a current carrying device acts when placed in these fields. Explains the positions of maximum and minimum torque. (Kinescope)

**DC SERIES RESISTIVE CIRCUITS**

27 min, 16mm film, optical sd, b&amp;w

Producer USAF

Agency No. TVK 30-119

Title No. 259920

Sale \$56.50

Describes the features of a series DC resistive circuit and shows how to solve for total resistance, current and voltage using Ohm's and Kirchoff's laws. Demonstrates the effect on current when voltage or resistance is changed. (Kinescope)

**DEAD RECKONING - AIR**

34 min, 16mm film, optical sd, b&amp;w

Producer USN

1946

Title No. 260225

Sale \$58.75

Shows ground track, air track, wind effect, correction angle, drift angle, establishment of wind direction and velocity by both grid method and drift method. College level.

**THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.**

**DEAD RECKONING-PLOTTING, AND CELESTIAL LINES OF POSITION**

40 min, 16mm film, optical sd, b&amp;w

Producer USN

1944

Title No. 261070

Sale \$68.50

Explains the basic plan of the Mark 3 Board, animating a small scale problem as it is worked out on the Board, plots in geographic position and solution of wind problem. College level.

**DEAF-BLIND, THE**

23 min, 16mm film, optical sd, col

1970

Producer USBEH

Title No. 260410

Sale \$106.00

Observes the techniques of evaluation employed by Dr Ladislav Fisch, Heston Audiology Clinic, England, and the approaches to instruction at Sint Michielsgestel.

From the *INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series*.

**DEBRIDEMENT, PT 1, MULTIPLE SOFT TISSUE WOUNDS**

12 min, 16mm film, optical sd, col

1957

Producer USA

Agency No. PMF 5304

Title No. 261050

Sale \$129.00

Demonstrates the principles and techniques followed in achieving adequate debridement of war wounds, including adequate skin incision, minimal skin incision, and incision of the fascia. The film also discusses the topic of excision of all devitalized tissue after consideration of color changes, loss of contractility, changes in consistency, and absence of bleeding when cut. Finally it deals with excision over the long axis of an extremity, complete hemostasis, loose primary closure of deep structures and dressing the wound.

**DEBRIDEMENT, PT 2, WOUNDS OF THE EXTREMITIES**

33 min, 16mm film, optical sd, col

1956

Producer USA

Agency No. PMF 5305

Title No. 261051

Sale \$110.75

Describes the techniques used in effective debridement of soft tissue wounds and demonstrates through eight different wound cases at a hospital in Korea the methods used in cleaning wounds and removing devitalized tissue and other FOCI of infection.

**DEBRIEF - APOLLO 8**

28 min, 16mm film, optical sd, col

1969

Producer USNASA

Agency No. HQ 188

Title No. 001513

Sale \$113.50

Tells the story of man's first journey to the Moon with comments on the significance of the Apollo 8 flight by several prominent Americans.

\* INDICATES NEW ENTRY

CLEARED FOR TV.

**DECISION FOR LEADERSHIP**

23 min, 16mm film, optical sd, col 1964  
Producer USAF Agency No. SFP 1210  
Title No. 261650 Sale \$78.25  
Portrays the USAF officer's training school. Depicts career opportunities offered qualified college graduates. Shows training, scope of curriculum, and physical training program.  
CLEARED FOR TV.

**DECK GIRDERS - SUBASSEMBLY**

15 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 028  
Title No. 261725 Sale \$30.50  
Explains use of transverse and longitudinal girders in hull structures. Tells how to fit, weld, and rivet stiffening brackets to a transverse girder and to a longitudinal girder.  
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 5

**DECK PLATES - REGULATING AND SETTING**

16 min, 16mm film, optical sd, col 1942  
Producer USOE Agency No. OE 033  
Title No. 261730 Rental \$10.00 Sale \$27.75  
Describes how to mark off the centerline, frame lines, and buttock lines on deck girders. Tells how to line up deck plates to the reference lines, fit square, scarfed, and V-type butt joints, and hold plates flush for welding.  
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 10

**DECK, THE - SETTING A WEB FRAME AND A TRANSVERSE BEAM**

17 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 029  
Title No. 261735 Sale \$36.50  
Describes how to square a web frame with the frame and buttock lines, shore up a transverse deck beam, and fair the transverse beam to the centerline and frame line of the deck.  
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 6

**DEEP SEA DIVING - THE DIVING DRESS**

48 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00105B  
Title No. 262229 Sale: W/DRAWN  
Shows characteristics of parts of the diving dress, preparation and inspection of suit for diving, duties tenders, and how to avoid injury from underwater pressure.

**DEEP SEA DIVING - THE TECHNIQUE OF DIVING**

24 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00105C  
Title No. 262230 Sale \$42.25  
Points out the important factors of dress tenders, telephone line, descending line, and knowledge of the conditions of the dive. Demonstrates the dressing procedure, the method of descending, and depending on water temperature, visibility, and currents.

**DEEP SEA DRILLING PROJECT**

28 min, 16mm film, optical sd, col 1970  
Producer USNSF  
Title No. 262245 Sale \$111.75  
Presents the idea of continental drift and sea floor spreading. Shows activity aboard the drilling ship glomar challenger as sedimentary cores from the ocean bottom are brought up through the longest drill string ever suspended from a floating platform. Shows how the studies of the cores have virtually confirmed the theories of drift and spreading.

**DEEP SEA SURVIVAL**

27 min, 16mm film, optical sd, col 1959  
Producer USAF Agency No. TF01-5252  
Title No. 262250 Sale \$91.25  
Portrays some of the conditions faced by a crew of airmen who are ditched in tropical water and survive 20 days on a raft before they are rescued.

**DEFENSE AGAINST INVASION**

13 min, 16mm film, optical sd, col 1946  
Producer USOIAA  
Title No. 262675 Sale \$54.50  
Explains how vaccination makes the body immune to certain diseases. An animated film.  
From the HEALTH FOR THE AMERICAS series.

**DEFENSE AGAINST THE SPY**

20 min, 16mm film, optical sd, b&w 1968  
Producer USDOD Agency No. DOD IS 10  
Title No. 262700 Sale \$35.25  
Shows the techniques and sophisticated tools used by enemy agents to obtain classified information.

**DEFENSE OF ANWERP AGAINST THE V-1**

21 min, 16mm film, optical sd, b&w 1947  
Producer USA Agency No. CMF009-1286  
Title No. 262708 Sale \$37.00  
Shows Antwerp from the time of its capture by Nazis to its liberation by Allied forces, subsequent battering by the V-1 bomb--port saved by American and Allied gunners, using a shifting defense strategy known as Antwerp X.

**DEFENSE PROCUREMENT - COMPETITIVE NEGOTIATION**

40 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF38-2865  
Title No. 262710 Sale \$68.50  
Gives principles, regulations, requirements and provisions related to procurement by negotiation-processing procurement directive, requirements for proposal, conduct of negotiation, and contract award.

**DEFENSE PROCUREMENT - CONTRACT ADMINISTRATION**

26 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF38-2866  
Title No. 262712 Sale \$45.50  
Gives scope and provision for contract administration in defense procurement-duties of contracting officer and his staff during pre-production, production, engineering changes, and final price determination stage.

**DEFENSE PROCUREMENT - FORMAL ADVERTISING**

43 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF38-2864  
Title No. 262714 Sale \$73.25  
Describes principles, regulations, general requirements, and procedures related to procurement by formal advertising-preparation, distribution, opening and evaluation of bids, and award of contract.

**DEFINITION AND ANALYSIS OF ALTERNATING CURRENT**

32 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-200  
Title No. 263088 Sale \$66.50  
Defines alternating current and explains related phenomena. (Kinescope)

**DEMAND TO BE HEARD, A**

28 min, 16mm film, optical sd, col 1969  
Producer USSR  
Title No. 263160 Sale \$115.50  
Depicts in film-o-graph form the demands of recipients of service for a voice in planning programs which affect their lives. Shows examples of their involvement.

**\*DENODEX FOLLICULORUM**

5 min, 16mm film, optical sd, col 1962  
Producer ILDS Agency No. AFIP-0073  
Title No. 004547 Sale: W/DRAWN

**Demonstration Story, The**

14 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0651  
Title No. 264150 Sale: W/DRAWN  
Describes the overall principles involved in providing improved communicable disease control through community demonstration. Shows community analysis and corrective programs.

**DENISON HYDRAULIC PUMPS AND MOTORS-DISASSEMBLY**

24 min, 16mm film, optical sd, b&w 1961  
 Producer USN Agency No. MN08981  
 Title No. 000575 Sale \$42.25  
 Shows the procedure for disassembly and reassembly of the serve control, the hanger assembly, piston and cylinder assemblies, auxiliary package, main drive shaft and valves. Cleanliness is emphasized throughout. Opens by showing how the pump works and how it differs from other pumps of this type.

**DENSITY ALTITUDE**

29 min, 16mm film, optical sd, col 1966  
 Producer USFAA Agency No. FA-0603A  
 Title No. 001532 Sale \$106.00  
 Shows pilot safety altitude.  
CLEARED FOR TV.

**DENTAL ACTIVITIES - WALTER REED ARMY MEDICAL CENTER**

18 min, 16mm film, optical sd, col 1953  
 Producer USA Agency No. PMF 5229  
 Title No. 000576 Sale \$61.75  
 Gives an overview of the dental activities at Walter Reed Army Medical Center, including--the dental services for hospital patients, research in the dental laboratory, and professional education in the Medical Service Graduate School.

**DENTAL ASSISTANT, THE - A CAREER OF SERVICE**

13 min, 16mm film, optical sd, col 1962  
 Producer USNMAC Agency No. MIS-0643  
 Title No. 264450 Sale \$45.25  
 Discusses the work and training of the dental assistant--explaining what the assistant does, how and where training is received and what the future holds for a person choosing the profession of dental assistant.

**DENTAL ASSISTANTS - THEIR EFFECTIVE UTILIZATION**

20 min, 16mm film, optical sd, col 1952  
 Producer USNMAC Agency No. MIS-0316  
 Title No. 264550 Sale \$68.25  
 Shows how a dentist, through the use of trained assistants, can give better service to his patients and reduce his own fatigue.

**DENTAL CARE FOR THE CHRONICALLY ILL AND AGED**

19 min, 16mm film, optical sd, col 1962  
 Producer USNMAC Agency No. MIS-0704  
 Title No. 264560 Sale \$65.00  
 Depicts the provision of dental care to the home-bound, chronically ill, and aged. Shows the new designs in portable equipment which were developed through actual study in providing home dental treatment.

**DENTAL FIRST AID**

20 min, 16mm film, optical sd, col 1952  
 Producer USN Agency No. MN06723  
 Title No. 000577 Sale \$68.25  
 Shows a hospital corpsman, when a medical officer is not available, how to give simple dental first aid for simple tooth decay, inflamed pulp, root-end abscess, Vincent's infection, inflammation of the wisdom tooth area, and fractures of the jaw.

**THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.**

**DENTAL HEALTH AND ORAL HYGIENE**

39 min, 16mm film, optical sd, col 1962  
 Producer USVA  
 Title No. 264620 Sale \$154.50  
 Demonstrates the structures of the oral cavity, the anatomy and functions of the teeth, the pathogenesis, prevention, and control of dental caries and periodontal disease, the relationship of dental disease to general health and the care of artificial dentures.

**DENTAL OFFICE EMERGENCIES, PT 1**

14 min, 16mm film, optical sd, col 1969  
 Producer USVA Agency No. D-102  
 Title No. 264625 Sale \$54.00  
 Part one of a four-part, programmed instructional course

designed to teach the emergency procedures to be followed when physical and emotional crises occur. Shows the rendering of emergency treatment based upon a patient's symptoms of anxiety and tension. By Dean W Darby, DDS, Continuing Education Branch, Department of Health, Education, and Welfare, Public Health Service, San Francisco, California.

**DENTAL OFFICE EMERGENCIES, PT 2**

17 min, 16mm film, optical sd, col 1969  
 Producer USVA Agency No. D-103  
 Title No. 264626 Sale \$67.25  
 Part two of a four-part, programmed instructional course designed to teach the emergency procedures to be followed when physical and emotional crises occur. Shows the rendering of emergency treatment based upon a patient's symptoms of anxiety and tension. By Dean W Darby, DDS, Continuing Education Branch, Department of Health, Education, and Welfare, Public Health Service, San Francisco, California.

**DENTAL OFFICE EMERGENCIES, PT 3**

14 min, 16mm film, optical sd, col 1969  
 Producer USVA Agency No. D-104  
 Title No. 264627 Sale \$56.75  
 Part three of a four-part, programmed instructional course designed to teach the emergency procedures to be followed when physical and emotional crises occur. Shows the rendering of emergency treatment based upon a patient's symptoms of anxiety and tension. By Dean W Darby, DDS, Continuing Education Branch, Department of Health, Education, and Welfare, Public Health Service, San Francisco, California.

**DENTAL OFFICE EMERGENCIES, PT 4**

14 min, 16mm film, optical sd, col 1969  
 Producer USVA Agency No. D-105  
 Title No. 264628 Sale \$52.50  
 Part four of a four-part, programmed instructional course designed to teach the emergency procedures to be followed when physical and emotional crises occur. Shows the rendering of emergency treatment based upon a patient's symptoms of anxiety and tension. By Dean W Darby, DDS, Continuing Education Branch, Department of Health, Education, and Welfare, Public Health Service, San Francisco, California.

**\*DENTAL PRACTICE MANAGEMENT**

24 min, 16mm film, optical sd, col  
 Producer USNMAC Agency No. M-2265  
 Title No. 002062 Sale \$96.00  
 Shows three open-end 'trigger films' designed to motivate group discussion on aspects of dental practice management.

**DENTAL SERVICES - PRACTICE MANAGEMENT**

28 min, 16mm film, optical sd, col 1962  
 Producer USAF Agency No. TF01-8201  
 Title No. 264635 Sale \$113.50  
 Demonstrates principles of good management and need for balance between professional and managerial responsibilities. Emphasizes that a dental surgeon cannot have a good oral health program without manpower, money, and material.

**DERIVATION OF PASCAL'S LAW, PT 1**

16 min, 16mm film, optical sd, b&w 1943  
 Producer USN Agency No. MN01730A  
 Title No. 265650 Sale \$28.50  
 Stresses the importance of hydraulic power aboard ship. Demonstrates that oil is lighter than water. Explains density, pressure, and force and how to determine each in a given amount of fluid.

**\*DERMATOSSES OCCURRING MAINLY IN JAPANESE**

5 min, 16mm film, optical sd, col 1962  
 Producer IDCE  
 Title No. 004548 Sale: W/DRAWN

\* INDICATES NEW ENTRY

<b>DESALTING THE SEAS</b>	From the PRECISION WOOD MACHINING series. Problems IN Patternmaking		
17 min, 16mm film, optical sd, col Producer USAEC Title No. 001533 Describes the various methods of purifying saline waters through the use of nuclear energy, with particular emphasis on large-scale dual purpose nuclear-electric desalting plants which purify water and produce large amounts of electric power simultaneously.	1967	Sale \$67.50	
<b>DESCRIPTIVE GEOMETRY - FINDING THE LINE OF INTERSECTION OF TWO SOLIDS</b>	DESIGNING CORE BOXES FOR A WATER-COOLED MOTOR BLOCK		
22 min, 16mm film, optical sd, b&w Producer USN Title No. 265800 Describes methods of determining intersecting lines of a cylinder and a cone by passing planes through the objects on an orthographic drawing.	1947	Sale \$38.50	1945 Producer USOE Title No. 267440 Tells how a patternmaker visualizes the water jacket, port cores, the core in the mold, and then designs the ram-up core and set-up core.
<b>*DESIGN AND CONTROL OF CONCRETE MIXES</b>	From the PRECISION WOOD MACHINING series. Problems In Patternmaking		
35 min, 16mm film, optical sd, col Producer USFHWA Title No. 002063 Concerns quality control of concrete mixes at the point of use and demonstrates the effects of various conditions and materials on the quality and durability of finished concrete. Temperature, time of mixing, graduation of the sand, type of aggregate, water cement ratio and amount of air-entraining agent each affect the quality of a mix. Emphasis is placed on designing a mix for the conditions under which it will be placed and testing the mix at the construction site before allowing it to be used on the job.	1971	Rental \$15.00 Sale \$150.75	1960 Producer USAE Title No. 003515 Depicts silting problems that exist in New York Harbor and the Hudson River below the George Washington Bridge and describes how a hydraulic model at the Waterways Experiment Station is helping engineers to analyze the problem and test effectiveness of measures to decrease the rate of shoaling.
<b>DESIGN FOR DENTAL HEALTH</b>	<b>DESILTING THE HUDSON</b>		
28 min, 16mm film, optical sd, col Producer USDDH Title No. 266860 Explains how the people of Lynch, Kentucky worked together in a community dental health project.	1969	Sale \$132.50	12 min, 16mm film, optical sd, col Producer USAE Title No. MN05344A Agency No. SFP 1238 Sale \$75.00
<b>DESIGN FOR ENVIRONMENT</b>	<b>DESTINATION - WHERE?</b>		
34 min, 16mm film, optical sd, col Producer USAF Title No. 266930 Portrays a young scientist learning of the numerous tests conducted at air development centers to determine the effects of environmental stresses on materials, metals, and electrical equipment.	1957	Agency No. 01-028C3 Agency No. SFP 0385 Sale \$114.25	11 min, 16mm film, optical sd, col Producer USAF Title No. 000578 Portrays role of geodesists in plotting orbital space flights and points on Earth. Also discusses measurement of gravity distortions. CLEARED FOR TV.
<b>DESIGN FOR GROWING</b>	<b>DESTROYERMAN</b>		
34 min, 16mm film, optical sd, col Producer USIA Title No. 266950 Deals with the Cleveland Public Schools' educational program which is designed to stimulate in growing children an imaginative approach to problems of living in the modern world. Includes classroom scenes and shows how the program aids one boy's development.	1954	Rental: W/DRAWN Sale: W/DRAWN Agency No. MF38-7951 Sale \$40.50	15 min, 16mm film, optical sd, col Producer USN Title No. 267740 Provides a visual impression of day-to-day life aboard a Navy destroyer at sea.
<b>DESIGN FOR SURVIVAL</b>	<b>DETECTION OF C. BOTULINUM IN FOOD, PT 1, PREPARATION OF FOOD SAMPLES AND DIRECT CULTURES</b>		
23 min, 16mm film, optical sd, b&w Producer USA Title No. 267010 Discusses the availability and uses of critical raw materials emphasizing the need to create and strengthen a positive attitude towards conservation among those concerned with the design, planning, manufacture and purchase of military equipment.	1953	Agency No. M-0846 Title No. 267805 Food extract is prepared using gelatin diluent. Meat-dextrose-starch medium is inoculated with the extract. The culture tubes are sealed and one is placed in boiling water, one in 80 degree water and one in 70 degree water, and all are incubated. This heat shock treatment selects spores from vegetative cells.	
<b>DESIGNING A PATTERN FOR A WATER-COOLED MOTOR BLOCK</b>	<b>DETECTION OF C. BOTULINUM IN FOOD, PT 2, MOUSE TOXIN NEUTRALIZATION TEST</b>		
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 267355 Illustrates how a patternmaker studies a drawing for a single-cylinder water-cooled motor block, visualizes the shape of the casting, plans the general shape of the pattern, checks on core support, and plans the core boxes.	1945	1965 Agency No. M-0862 Title No. 267810 Food extract containing C. botulinum is mixed with antitoxins of known types. One tube is placed in boiling water. Two mice are inoculated with each mixture. Surviving mice indicate heat lability and which antitoxin neutralizes the toxin. This demonstrates which type was in the food.	
<b>DETECTION OF C. BOTULINUM IN FOOD, PT 3, ISOLATION FROM MIXED CULTURE</b>	<b>DETECTION OF C. BOTULINUM IN FOOD, PT 4, ISOLATION FROM MIXED CULTURE</b>		
	7 min, 16mm film, optical sd, col Producer USNMAC Title No. 267815 Food samples are incubated, anaerobically, on meat-dextrose-starch medium. After incubation, smears are streaked on blood agar and egg yolk agar plates. These are incubated anaerobically. Lipasepositive colonies from egg-yolk plates and hemolytic colonies from blood agar are sub-cultured in meat-dextrose medium.	1965 Agency No. M-0915 Sale \$24.50	1965 Agency No. M-0915 Sale \$24.50
			<b>DETECTION OF ENTEROPATHOGENIC ESCHERICHIA COLI</b>
			17 min, 16mm film, optical sd, col Producer USNMAC Title No. 267808 Demonstrates a method of confirming the presence of E coli

\* INDICATES NEW ENTRY

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in infants within one hour. Encourages hospital laboratory directors to make this procedure a routine test on infants admitted due to the danger of incurring severe outbreaks of infantile diarrhea.

#### DETERMINATION OF TYPES OF C. DIPHTHERIAE

11 min, 16mm film, optical sd, b&w 1957

Producer USNMAC Agency No. 4-0882

Title No. 268200 Sale \$19.25

Shows procedures for determining cultural types of corynebacterium diphtheriae, hemolysin and fermentation test, and observation of colony forms.

RECOMMENDED FOR PROFESSIONAL USE.

#### DEVELOPING AUDIO-VOCAL SYSTEM, THE

38 min, 16mm film, optical sd, col 1970

Producer USBEH

Title No. 268512 Sale \$143.75

Demonstrates the application of European methods of auditory training and speech in Sweden, the Netherlands, Belgium, England, and Denmark. This film was designed to be shown sequentially, following both 'developmental auditory response patterns' and 'auditory assessment.'

From the INTERNATIONAL EDUCATION OF THE HEARING IMPAIRED CHILD Series.

#### DEVELOPING COOPERATION

14 min, 16mm film, optical sd, b&w 1945

Producer USN Agency No. MN03425C

Title No. 268550 Sale \$25.50

Discusses the importance of co-operation of workers on any job and uses examples in industry to illustrate good and poor methods of developing co-operation.

#### DEVELOPING HOMOGENEOUS REACTORS

23 min, 16mm film, optical sd, b&w 1956

Producer USAEC

Title No. 001535 Sale \$45.75

Describes some of the most important stages in the development, construction, operation, and dismantling of homogeneous reactor.

#### \*DEVELOPING IMAGINATION

3 min, 8mm cartridge, optical sd, col

Producer USBEH

Title No. 003387 Sale \$22.00

Sold only in a cartridge with generalization of information. Presents short insights into home school education of the profound hearing impaired.

#### DEVELOPING THE NEGATIVE

16 min, 16mm film, optical sd, b&w 1948

Producer USN Agency No. MN05386

Title No. 269200 Sale \$28.50

Shows procedures in developing still camera film and explains the composition of the developing solution.

From the FUNDAMENTALS OF PHOTOGRAPHY series.

#### DEVELOPMENT AND FABRICATION OF HFIR TARGET ELEMENTS

15 min, 16mm film, optical sd, col 1967

Producer USAEC

Title No. 001547 Sale \$60.00

Depicts the design and development of high flux isotope reactor target elements for the high nation's transuranium program. Traces the development of suitable manufacturing processes showing the remote manufacture of target elements at Oak Ridge National Laboratory's transuranium processing plant and the processing of the desired transuranium isotopes.

#### DEVELOPMENT OF THE HUMAN GASTROINTESTINAL TRACT

15 min, 16mm film, optical sd, col 1967

Producer USNMAC Agency No. M-1542-X

Title No. 270100 Sale \$51.75

Via animation, shows the development of the human gastrointestinal tract in the fetal stage. Prepared by the Yale University School of Medicine.

#### \*DEVELOPMENTAL AUDITORY RESPONSE PATTERNS, PTS 1 AND 2

44 min, 16mm film, optical sd, col 1970

Producer USBEH

Title No. 270211 Rental \$15.00 Sale \$171.00

Shows responses to auditory stimuli in normals ages 7 weeks to 7-1/2 months, with assessment and commentary by DR Kevin Murphy, Royal Berkshire Hospital, Reading, England. This film was designed to be shown sequentially, preceding 'Auditory Assessment' and 'The Developing Audio-Vocal System.'

From The International Education of The Hearing Impaired Child Series.

#### \*DEVICES FOR SELF-HELP TASK PERFORMANCE, PT 3

8 min, 16mm film, optical sd, col

Producer USBEH

Title No. 270340 Sale \$65.00

Illustrates problems of the physically, multiply handicapped and demonstrates supportive devices for task performances. Includes moving from place to place, sitting and standing, writing, turning pages, communicating and eating.

From the PROJECT SPOT series.

#### DEW LINES

56 min, 16mm film, optical sd, col 1957

Producer USAF Agency No. SFP 0570

Title No. 000579 Sale \$187.00

Tells the story of the Dew Line, a network of radar outposts stretching 3,000 miles across America's arctic rooftop.

#### DIAGNOSIS AND CASE SELECTION

12 min, 16mm film, optical sd, col

Producer USVA Agency No. D-14-E

Title No. 000580 Sale \$43.00

Serves as a guide to the dentist in diagnosing and deciding to treat patients by endodontic means. Uses radiographs, animation and live photography to illustrate endodontic treatment.

#### DIAGNOSIS AND MANAGEMENT OF RHEUMATOID ARTHRITIS

40 min, 16mm film, optical sd, b&w 1965

Producer USNMAC Agency No. T-1820-X

Title No. 270930 Sale \$81.00

Discusses therapeutic regimens employed over several years with rheumatoid arthritis patient. Investigates orthopedic correction of hand deformities. Discussed by Theodore B Bayles, MD and John A Mills, MD, Harvard Medical School, and James D C Gowans, MD, Tufts University School of Medicine. (Kinescope)

#### DIAGNOSIS AND SURGICAL TREATMENT OF OCCLUSIVE CEREBRAL VASCULAR DISEASE

40 min, 16mm film, optical sd, b&w 1964

Producer USNMAC Agency No. T-1824-X

Title No. 270935 Sale \$81.00

Discusses strokes resulting from occlusive disease in the extracranial arteries. Considers incidence of death, disability, and clinical patterns of carotid and vertebrobasilar artery insufficiency. Discussion is by Allen D Callow, MD, John F Sullivan, MD, and Paul Kahn, MD, Tufts University School of Medicine. (Kinescope)

#### DIAGNOSIS AND THERAPY WITH RADIATION

32 min, 16mm film, optical sd, col

Producer USAEC Agency No. T-1824-X

Title No. 001548 Sale \$98.75

Provides a medical discussion of current studies with radiation. Describes the use of radioactive chemicals in studies of the thyroid, kidneys, and blood, as well as clinical experiments with gases and isotopes that have made it possible to visualize many organs previously difficult or impossible to examine by X-rays.

**DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE METABOLISM, PT 1**

19 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1501  
Title No. 270940 Sale \$39.50  
Presents diseases of parathyroid including primary hyperparathyroid parathyroid dysfunction in renal failure, and hypoparathyroidism (post surgical and idiopathic). (Kinescope)

**DIAGNOSIS IN CLINICAL DISORDERS OF CALCIUM AND BONE METABOLISM, PT 2**

22 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1502  
Title No. 270941 Sale \$46.25  
Presents a discussion by Dr Heany with emphasis on principal metabolic bone diseases including osteoporosis, osteomalacia, vitamin D deficiency, and familial hypophosphatemia. (Kinescope)

**\*DIAGNOSIS OF LATENT PSORIASIS**

6 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004550 Sale: W/DRAWN

**DIAGNOSIS OF PANCREATIC DISEASE**

50 min, 16mm film, optical sd, b&w 1970  
Producer USNMAC Agency No. T-1963  
Title No. 270945 Sale \$105.00

Relates to the pathogenesis of acute pancreatitis to secretory mechanisms, and the construction of a unified concept of the etiology of inflammation within the pancreas. Evidence is accumulated from anatomic studies, manometric determinations of the intraracholedochal and intrapancreatic ductal secretory pressures, physiologic investigations in experimental pancreatitis, and analyses of the clinical correlations observed in human pancreatitis. (Kinescope)

**\*DIAGNOSIS TECHNIQUES**

8 min, 38mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003388 Sale \$27.00  
This is a presentation of a number of techniques which have been developed to assess the deaf child's potential for language, learning and residual sensory functioning.

**\*DIAGNOSTIC TECHNIQUES**

8 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000328 Sale \$31.25  
This is a presentation of a number of techniques which have been developed to assess the deaf child's potential for language, learning and residual sensory functioning.

**DIAPERS AWAY - TOILET TRAINING MENTALLY RETARDED CHILDREN IN GROUPS**

49 fr, 35mm filmstrip, silent, col 1968  
Producer USSR Agency No. F-1587-X  
Title No. 001550 Sale \$5.50  
Demonstrates technique for teaching toilet use to groups of mentally retarded children in institution and day-care centers. This filmstrip may be purchased as a set with F-1586-x and an accompanying audiodesic for \$15.00.

**DIAPERS AWAY - TOILET TRAINING THE MENTALLY RETARDED CHILD AT HOME**

35 fr, 35mm filmstrip, silent, col 1968  
Producer USSR Agency No. F-1586-X  
Title No. 001549 Sale \$5.50  
Demonstrates technique for teaching toilet use to the mentally retarded child in a home. This filmstrip may be purchased as a set with F-1587-x and an accompanying audiodesic for \$15.00.

**DIARY OF A SERGEANT**

22 min, 16mm film, optical sd, b&w 1945  
Producer USA Agency No. MF08-1129  
Title No. 000581 Sale \$38.50  
Traces the treatment of an amputee in an Army hospital and his rehabilitation, including his skillful manipulation of artificial arms and hands.

**DIESEL ENGINE FUEL SYSTEMS**

40 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN00046A  
Title No. 271575 Sale \$68.50  
Shows the basic structure of diesel fuel systems, parts and operation of injectors and fuel pumps, and bosch, general motors, and excello equipment.

**DIESEL ENGINE GOVERNORS, PT 1. - WOODWARD GOVERNORS**

14 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00044A  
Title No. 271600 Sale \$25.50  
Shows the operation of diesel engine governors and explains the operation of overspeed, overspeed trip, and regulating governors.

**DIESEL ENGINE GOVERNORS, PT 2. - GM SERIES 71, LIMITING SPEED MECHANICAL GOVERNORS**

12 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00044B  
Title No. 271601 Sale \$22.25  
Discusses three main assemblies of the governor and their functions. Reviews the operation of the manual full control to explain the action of the governor through low intermediate, and high speed ranges

**DIESEL ENGINE, THE**

29 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN00042A  
Title No. 271650 Sale \$50.25  
Shows how ignition may be achieved by compression. Describes basic diesel engine types and discusses forms of air headers and fuel injectors. (introductory survey film.)

**DIESEL ENGINE, THE - SCAVENGING AND SUPERCHARGING DIESEL ENGINES**

15 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00042B  
Title No. 271675 Sale \$27.00  
Shows operation of two-stroke cycle, single and double acting engines, and opposed piston engines. Discusses method of scavenging and supercharging air.

**DIESEL LUBRICATION AND COOLING SYSTEMS**

10 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00045A  
Title No. 271775 Sale \$17.50  
Describes parts of diesel lubricating and cooling systems and how they work in relation to each other.

**DIESEL LUBRICATION AND COOLING SYSTEMS LUBRICATION OF THE GM-71 SERIES ENGINES**

12 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN 45-B  
Title No. 001551 Sale \$22.25  
Shows, by the use of animation, the course of the oil through the engine - describes how it lubricates each component part - and explains the working principle of the ventilation system.

**DIET AND ATHEROSCLEROTIC DISEASE - ARE THEY RELATED**

29 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1880  
Title No. 272005 Sale \$60.50  
Dr Stamler presents statistical data to implicate diet in the pathogenesis of atherosclerotic disease, and contends that alteration of the American dietary pattern is essential if we are to abate our atherosclerotic epidemic. Dr Altschule points out numerous inadequacies in studies to date. He does not feel that a qualitative change in the American diet would benefit either the coronary patient or the healthy individual. (Kinescope)

From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

\* INDICATES NEW ENTRY

**DIFFRACTOMETER CONTROL SYSTEM - A SYSTEM FOR EASY MAN-MACHINE COMMUNICATIONS**

15 min, 16mm film, optical sd, col 1970

Producer USNBS

Title No. 272400

Sale \$62.25

Technically explains the use of a diffractometer control system at the National Bureau of Standards' reactor. Explains the technique of using a digital computer to perform the tedious, repetitive operations required in collecting data for crystal structure analysis while the human experimenter performs the supervisory functions for which man is uniquely qualified. (Film assumes basic knowledge of structural crystallography.)

**DIFFUSE INTRAVASCULAR COAGULATION**

26 min, 16mm film, optical sd, b&w 1969

Producer USNMAC Agency No. T-1697

Title No. 272405 Sale: W/DRAWN

Explains experimental and theoretical aspects of intravascular coagulation and discusses clotting proteins and the interrelationship existing between these elements and IVC. Discusses acquired bleeding disorders. (Kinescope)

**DIGITAL COMPUTER TECHNIQUE - COMPUTER LOGIC**

13 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969B

Title No. 272776 Sale \$45.25

Explains by means of animation the binary number system. Defines the several meanings of logic as applied to computers, shows the difference between the decimal and binary number systems, explains how binary numbers are constructed and how arithmetical operations are performed with them. Cites examples of code variations of the binary system.

**DIGITAL COMPUTER TECHNIQUE - COMPUTER LOGIC SYMBOLOLOGY**

15 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969C

Title No. 272777 Sale \$51.75

Shows the basic U S Military standard symbols of the logic elements of computers as an introduction to digital computer logic symbology, and shows their function in electronic signals.

**DIGITAL COMPUTER TECHNIQUE - COMPUTER UNITS**

24 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969D

Title No. 272778 Sale \$81.50

Discusses in an introductory way the major units of a digital computer--input, output, arithmetic, and control.

**DIGITAL COMPUTER TECHNIQUE - INTRODUCTION**

16 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969A

Title No. 272775 Sale \$55.00

Provides a general introduction to digital computers. Explains the historical origins of calculating devices, points out the differences between analog and digital computers, and discusses the principle steps involved in the solution of problems subjected to the digital computing process.

**DIGITAL COMPUTER TECHNIQUES - LOGIC ELEMENT CIRCUITS**

16 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969E

Title No. 272779 Sale \$55.00

Illustrates how solid state electronic are used in modern computers.

**DIGITAL COMPUTER TECHNIQUES - PROGRAMMING**

14 min, 16mm film, optical sd, col 1962

Producer USN Agency No. MN08969F

Title No. 272780 Sale \$48.50

Defines computer programming, explains what is meant by analyzing the problem, shows how a simple flow chart is prepared with symbols giving their meaning, and shows by use of a simple example how instructions to the computer are encoded in computer language.

**DIMPING AND COUNTERSINKING**

21 min, 16mm film, optical sd, b&w

Producer USOE

1943

Agency No. OE 139

Title No. 272825

Rental \$7.50 Sale \$37.00

Shows how dimpling and countersinking prepare metal for flush riveting. Shows how to operate a dimpling machine and how to countersink work for flush rivets.

From the AIR/AFT WORK series. Assembling and Riveting, No. 4

**DIODE AND CRYSTAL DETECTORS**

16 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK 30-522B

Title No. 273225

Sale \$34.25

Discusses the operation of a diode detector, employing a crystal diode as the rectifier. Emphasizes the operating characteristics of the circuit and the proper handling techniques of a crystal diode. Shows output waveshapes on the oscilloscope, and explains how the output is affected if the values of R and C are not correct. Compares the vacuum tube diode detector and the crystal diode detector. (Kinescope)

**DIODE TUBES - EMISSION AND SPACE CHARGE**

21 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK 30-400

Title No. 273240

Sale \$44.50

Defines different types of electron emission, explains emitter construction, analyzes and discusses space charge in a diode vacuum tube. Explains saturation in a diode tube and describes the effect of varying plate voltage and heater voltage on plate current. (Kinescope)

**DIODE, THE - PRINCIPLES AND APPLICATIONS**

17 min, 16mm film, optical sd, b&w

Producer USOE

1945

Agency No. OE 176

Title No. 273250

Rental \$7.50 Sale \$30.50

Demonstrates principles of electron flow across a gap, and basic features of the diode tube. Shows how electron flow is controlled in diode tubes, photoelectric cells, and X-ray tubes. Shows the diode as a rectifier.

From the ENGINEERING series. Electronics, No. 2

**DIODES AND RECTIFIER CIRCUITS - FULL-WAVE RECTIFIERS**

30 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK 30-235B

Title No. 273255

Sale \$62.50

Shows a full-wave rectifier circuit, with parts labeled, direction of current flow through each part of the circuit indicated, and the output waveshape drawn. Shows and explains how to calculate the peak, and average voltage outputs--from this the ripple frequency is determined. Gives malfunctions, and from the symptom, shows how the probable trouble is identified. (Kinescope)

**DIODES AND RECTIFIER CIRCUITS - HALF-WAVE RECTIFIERS**

32 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK-30-235A

Title No. 273256

Sale \$66.50

Demonstrates the effect of half-wave rectification and then shows and discusses the schematic. Explains and measures the front-to-back ratio of a semiconductor. Defines the term 'load,' and shows how the direction of current flow through a semiconductor is determined. Gives an analysis of a signal applied to this circuit to explain why the output waveshape is pulsating DC. Defines and explains 'ripple frequency.' Finally, shows the method of calculating the peak, inverse peak, and average output voltage. (Kinescope)

**DIODES AND RECTIFIER CIRCUITS - METALLIC RECTIFIERS**

19 min, 16mm film, optical sd, b&w

Producer USAF

Agency No. TVK 30-234

Title No. 273258

Sale \$40.50

Identifies the types of metallic rectifiers. Explains the construction and rectifying action of selenium rectifiers, points out the voltage limitation of rectifiers and how 'stacking' provides some protection against damage due to excessive AC voltage. Explains 'inverse peak' voltage and 'breakdown.' (Kinescope)

<b>DIODES AND RECTIFIER CIRCUITS - SOLID STATE DIODES</b>			
27 min, 16mm film, optical sd, b&w			1945
Producer USAF	Agency No. TVK30-232		
Title No. 001552		Sale \$56.50	
Explains the joining of Pform a solid state diode, and gives the types of diodes. Identifies the two elements of a junction diode as the (emitter) and (collector). Finally, explains the effect of excessive forward or reverse bias. (Kinescope)			
<b>DIRECT CURRENT CONTROLLERS</b>			
15 min, 16mm film, optical sd, b&w		1945	
Producer USOE	Agency No. OE 388		
Title No. 273265	Rental \$7.50 Sale \$27.00		
Shows shunt motors and direct controllers in operation. Uses animation to illustrate a direct current faceplate controller connected to a shunt motor.			
From the <i>ELECTRICAL WORK</i> series. Motor Control, No. 1			
<b>DIRECT CURRENT GENERATORS</b>			
22 min, 16mm film, optical sd, b&w			
Producer USAF	Agency No. TVK 30-202		
Title No. 273269	Sale \$46.25		
Identifies parts of basic DC generator. Defines steady DC, pulsating DC, and ripple. Identifies schematics of three main DC generator configurations. (Kinescope)			
<b>DIRECT CURRENT GENERATORS - THEORY OF OPERATION</b>			
15 min, 16mm film, optical sd, b&w		1959	
Producer USN	Agency No. MN08594A		
Title No. 273268	Sale \$27.00		
Shows the basic components of a generator and explains EMF of self-induction.			
<b>DIRECT CURRENT MOTORS - THEORY OF OPERATION</b>			
10 min, 16mm film, optical sd, b&w		1959	
Producer USN	Agency No. MN08594B		
Title No. 006421	Sale \$17.50		
Shows the basic components of direct current motors and explains their operation.			
<b>*DIRECT SEEDING OF SOUTHERN PINE</b>			
20 min, 16mm film, optical sd, col		1965	
Producer USDA	Agency No. 4540		
Title No. 003934	Sale \$93.00		
The research leading to the successful direct seeding of southern timberlands is fascinating. At first, birds and rodents ate the seeds, methods of seeding were crude, but important breakthroughs in research solved these problems.			
<b>DIRECTIONAL ANTENNAS</b>			
40 min, 16mm film, optical sd, b&w			
Producer USAF	Agency No. TVK 30-604		
Title No. 273310	Sale \$82.25		
Develops graphically and with animation the bi-directional radiation pattern of the end fire array. Shows how changing the spacing of the antenna elements, changing the number of elements, using the different types of elements, and changing the shape of the reflector affects antenna directivity. Lists the three types of elements and explains the results and purposes of each. (Kinescope)			
<b>DIRECTIONAL COUPLER</b>			
24 min, 16mm film, optical sd, b&w			
Producer USAF	Agency No. TVK 30-907		
Title No. 273312	Sale \$50.75		
Explains the uses of a typical directional coupler, the physical construction, and the purpose of each component. Explains, by animation, how and why the directional coupler will detect incident energy but not reflected energy. Briefly explains the bi-directional coupler and how it detects both incident and reflected energy. (Kinescope)			
<b>DISASSEMBLING THE ENGINE</b>			
13 min, 16mm film, optical sd, b&w		1945	
Producer USOE	Agency No. OE 268		
Title No. 273350	Rental \$7.50 Sale \$28.75		
Shows how to remove the oil sump, valve tappet, and gear case cover assemblies. Tells how to separate crankcase, remove crankshaft assembly and camshaft, and disassemble crankshaft and gear case cover assemblies.			
From the <i>AIRCRAFT WORK</i> series. Power Plant Maintenance			

\* INDICATES NEW ENTRY

<b>DISASSEMBLY</b>			
30 min, 16mm film, optical sd, b&w		1945	
Producer USN	Agency No. MN03707A		
Title No. 000583	Sale \$52.00		
Shows how to inspect blower rotors and pistons, remove head and scrape wear ridge, remove connecting rod bearing, and pull one piston and one liner in piston assembly.			
<b>DISASSEMBLY OF THE S-268A ENGINE</b>			
27 min, 16mm film, optical sd, b&w		1942	
Producer USN	Agency No. MN00209A		
Title No. 000586	Sale \$47.00		
Shows how to remove air lines, manifold, rocker arm assembly, piston, lever, injector, and cylinder head. Stresses precautions to be observed.			
<b>DISASSEMBLY, PT 1</b>			
16 min, 16mm film, optical sd, b&w		1944	
Producer USN	Agency No. MN02364A		
Title No. 000584	Sale \$28.50		
Demonstrates methods of inspection for all possible parts with methods of removal for all lines and parts in a complete breakdown of the engine.			
<b>DISASSEMBLY, PT 2</b>			
17 min, 16mm film, optical sd, b&w		1944	
Producer USN	Agency No. MN02364B		
Title No. 000585	Sale \$30.50		
Shows step-by-step demonstration of tools used in disassembly of engine for either overhaul or maintenance, concluding with a review of the important steps of disassembly.			
<b>DISASTER AID - PUBLIC HEALTH ASPECTS</b>			
11 min, 16mm film, optical sd, b&w		1955	
Producer USNMAC	Agency No. M-0198		
Title No. 273400	Sale \$19.25		
Explains the health problems created by natural disasters and the methods used to solve these problems, using as an example a flood, and the role of local, state, and federal health agencies in combating the resultant public health dangers.			
<b>DISASTER FEEDING</b>			
30 min, 16mm film, optical sd, b&w		1960	
Producer USA	Agency No. TF10-2846		
Title No. 000582	Sale \$52.00		
Gives purpose, preparation and execution of disaster feed-plan-facilities propagation-explanation of ionosphere-effects on long-range transmission of radio messages.			
<b>DISCIPLINE - GIVING ORDERS</b>			
15 min, 16mm film, optical sd, b&w		1944	
Producer USN	Agency No. MN02088A		
Title No. 273675	Sale \$27.00		
Explains how to give clear orders and maintain office discipline. Contrasts the results of gaining workers' confidence with those of instilling fear in employees.			
<b>DISCIPLINE - GIVING ORDERS (SPANISH)</b>			
15 min, 16mm film, optical sd, b&w		1944	
Producer USN	Agency No. MNO2088A		
Title No. 001553	Sale \$27.00		
Explains how to give clear orders and maintain office discipline. Contrasts the results of gaining workers' confidence with those of instilling fear in employees.			
<b>DISCIPLINE - REPRIMANDING</b>			
10 min, 16mm film, optical sd, b&w		1943	
Producer USN	Agency No. MN02088B		
Title No. 273676	Sale \$17.50		
Shows examples of proper and improper reprimanding of employees by supervisors and how the efficiency and production of an office can be increased or decreased depending upon how a situation is handled.			
<b>DISCIPLINE - REPRIMANDING (SPANISH)</b>			
10 min, 16mm film, optical sd, b&w		1943	
Producer USN	Agency No. MNO2088B		
Title No. 001554	Sale \$17.50		
Shows examples of proper and improper reprimanding of			

employees by supervisors and how the efficiency and production of an office can be increased or decreased depending upon how a situation is handled.

#### DISPERSION THEORY APPROACH TO NUCLEON NUCLEAR SCAFFOLDING

54 min. 16mm film, optical sd, col 1961

Producer USAEC

Title No. 001555

Sale \$315.25

Outlines some of the main ideas and techniques which are used in the calculation of the nucleon-nucleon scattering matrix from its analytic properties and unitarity. Includes a discussion of the S-wave Schrödinger and Volterra equations, the N/D method, the Mandelstam representation for scattering and double-spectral function, theoretic and non-relativistic scattering amplitudes, and nucleon electromagnetic structure.

#### DISSECTION OF THE BLOCK OF ORGANS DISSECTION OF ADRENALS, AORTA, AND ...

21 min. 16mm film, optical sd, col 1970

Producer USNMAC

Title No. 275325

Agency No. M-2004-X

Sale \$86.00

FULL TITLE--DISSECTION OF THE BLOCK OF ORGANS--DISSECTION OF ADRENALS, AORTA, AND INFERIOR VENA CAVA--SEPARATION INTO THORACIC, ABDOMINAL, AND PELVIC REGIONS.

From the AUTOPSY DISSECTION TECHNIQUE - A CINEMATOGRAPHIC ATLAS Series.

#### DISSECTION OF THE HEART

12 min. 16mm film, optical sd, col

Producer USNMAC

Agency No. M-2007-X

Title No. 275332

Sale \$50.50

From the AUTOPSY DISSECTION TECHNIQUE - A CINEMATOGRAPHIC ATLAS Series.

#### DISSECTION OF THE MALE PELVIC ORGANS AND KIDNEYS

13 min. 16mm film, optical sd, col

Producer USNMAC

Agency No. M-2010-X

Title No. 275335

Sale \$54.50

From the AUTOPSY DISSECTION TECHNIQUE - A CINEMATOGRAPHIC ATLAS Series.

#### DISSECTION OF THE PARATHYROID AND THYROID GLANDS

10 min. 16mm film, optical sd, col 1970

Producer USNMAC

Agency No. M-2005-X

Title No. 275337

Sale \$41.00

From the AUTOPSY DISSECTION TECHNIQUE - A CINEMATOGRAPHIC ATLAS Series.

#### DISSECTION OF THE THORACIC DUCT

10 min. 16mm film, optical sd, col 1970

Producer USNMAC

Agency No. M-2006-X

Title No. 275339

Sale \$41.00

From the AUTOPSY DISSECTION TECHNIQUE - A Cinemato-graphic Atlas Series.

#### \*DISSEMINATED ANERGIC LEISHMANIASIS

7 min. 16mm film, optical sd, col 1962

Producer ILDS

Title No. 004551

Sale: W/DRAWN

#### DITCHING TECHNIQUES FOR TRANSPORT AIRCRAFT COMMUNICATIONS, SEA EVALUATION, HEADINGS, ...

26 min. 16mm film, optical sd, col 1958

Producer USAF

Agency No. TF01-5271A

Title No. 275651

Sale \$88.00

FULL TITLE--DITCHING TECHNIQUES FOR TRANSPORT AIRCRAFT COMMUNICATIONS, SEA EVALUATION, HEADINGS, AND LANDINGS. Outlines steps to minimize hazards of ditching when a forced landing is anticipated at sea. major teaching points include transmission of distress calls, evaluation of sea conditions, procedures for landing, and methods of obtaining proper headings.

#### DIVIDE AND CONQUER

60 min. 16mm film, optical sd, b&w

1943

Producer USWD

Agency No. OF 03

Title No. 275775

Sale \$124.50

Documents the German attack and conquest of Belgium, Holland, and France in 1940.

From the WHY WE FIGHT series.

CLEANED FOR CLOSED CIRCUIT TELEVISION ONLY.

#### \*DO IT WITH E'S

23 min. 16mm film, optical sd, col

1951

Producer USDA

Agency No. 1099

Title No. 276725

Sale \$105.00

Demonstrates three e's of safety--education, engineering and enforcement. Uses examples showing the work of Forest Rangers in prevention of accidents.

#### DOCKING WITH KEEL AND BILGE BLOCKS

15 min. 16mm film, optical sd, b&w

1944

Producer USN

Agency No. MN02352B

Title No. 000587

Sale \$27.00

Explains by animation and demonstrates the procedures for docking from flooding of the dock to final securing.

#### DOLPHINS THAT JOINED THE NAVY, THE

27 min. 16mm film, optical sd, col

1964

Producer USN

Agency No. MN10199

Title No. 277695

Sale \$89.75

Shows the Navy's extensive research with dolphins and discusses future applications of the researchers' findings. Narrated by Glenn Ford.

#### \*DON'T BRING YOUR ENEMY HOME

5 min. 16mm film, optical sd, b&w

1960

Producer USDA

Agency No. 3039

Title No. 277725

Sale \$80.00

Shows U.S. Department of Agriculture Inspection Detectives at work at airports and borders to keep plant and animal pests out of the United States.

#### \*DON'T BUILD THAT ROCKET ALONE

64 fr. 35mm filmstrip, silent, col

1965

Producer USNASA

Title No. 005288

Sale \$10.00

Emphasizes the importance of safety precautions and adult supervision in building and launching model rockets. The dangers of improper handling of such rockets are illustrated.

#### DON'T GET STRANDED

18 min. 16mm film, optical sd, b&w

1967

Producer USDOD

Agency No. AFIF 0167

Title No. 277750

Sale \$38.50

Tells service members how to arrange for travel by commercial aircraft at reduced rates while on leave. Discusses use of DOD form 1580, benefits of non-stop flights, baggage problems, and services afforded military travelers.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### DON'T LEAVE IT ALL TO THE EXPERTS

16 min. 16mm film, optical sd, col

1969

Producer USNMAC

Agency No. M-1739

Title No. 277760

Sale \$88.00

Outlines the main points of the air quality act and shows a public hearing in session. Explains individual responsibility and attempts to motivate the general public to take an active part in bringing about acceptable air quality in each community.

#### DOORWAY TO TOMORROW - CHALLENGE OF SPACE

29 min. 16mm film, optical sd, col

1962

Producer USNASA

Agency No. HQA 171

Title No. 278040

Sale \$117.25

Documents the new John F. Kennedy Space Center with emphasis on the Complex 39 'Moonport' from which the Apollo astronauts will be launched to the Moon.

\* INDICATES NEW ENTRY

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**DOPPLER NAVIGATION SYSTEM AN/ASN-64 OPERATION**  
 31 min, 16mm film, optical sd, b&w 1967  
 Producer USAF Agency No. TF11-3805  
 Title No. 278055 Sale \$53.50  
 Teaches pilots the features, capabilities and operation of the Doppler navigation set an/asn-64.

**DOPPLER PRINCIPLES**

30 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-903  
 Title No. 278060 Sale \$62.50  
 Explains the phenomenon of the Doppler effect through the use of animation and illustration. Explains the effects on a transmitted wave when it encounters a moving object or when the transmitter itself is moving, by showing the operation of a separate transmitter and receiver, and of a transmitter and receiver in the same unit. Explains the Doppler effect when the target is moving at various angles to the transmitter. (Kinescope)

**DOUBLE INPUT MIXERS**

27 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-621  
 Title No. 278220 Sale \$56.50  
 Identifies the components of a pentagrid tube, explains the construction used in the mixer, and discusses the two inputs and connections to the elements of the tube. Explains the operation of the circuit and its adaptability to a receiver, and discusses symptoms of component failure. (Kinescope)

**DOUBLE PAPILLAE REPOSITIONED FLAP IN PERIODONTAL THERAPY**

16 min, 16mm film, optical sd, col 1968  
 Producer USVA Agency No. D-022  
 Title No. 278226 Sale \$55.75  
 Demonstrates a double papillae repositioned flap procedure performed on a maxillary canine tooth to correct the soft tissue defect. Two interdental papillae on either side of the cleft serve as donor tissue to cover the denuded root surface. The surgical techniques and post-operative results of this current periodontal concept are presented by D Walter Cohen, DDS and Stanley E Ross, DDS, University of Pennsylvania, School of Dental Medicine.

**DOUBLE RAM VERTICAL SURFACE BROACHING**

30 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 238  
 Title No. 278255 Rental \$10.00 Sale \$54.00  
 Tells how to assemble broaching inserts, mount and adjust the work fixtures, set trip dogs for the ram stroke, measure the workpiece after trial broaching, and surface broach at a production rate.  
 From the MACHINE SHOP WORK series. Operations on a Broaching Machine, No. 3

**\*DR. DIAL - A GROUP**

3 min, 16mm film, optical sd, col  
 Producer USDH  
 Title No. 003518 Sale \$31.25  
 Shows a group of 5 30-minute TV spots. Calls attention to dental health and instructs the viewer to call 'Dr. Dial' for more information. Film allows for addition of local identification and telephone number.

**OTHER FORMAT(S) OR VERSION(S)**

6 audiotape cassettes, 2-track, monaural  
 Producer USDH  
 Title No. 003519 Sale \$3.00

**\*DR. DRAGSTEDT**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2370  
 Title No. 002064 Sale \$121.75  
 Features Dr. Dragstedt and his first research on gastric ulcer and the cause of pain. Discusses his later research on physiology of the parathyroid gland, and on gastric physiology and peptic ulcer, which led to the introduction of vagotomy as a surgical technique for duodenal ulcer. Highlights his experiences in Europe, where he studied abdominal surgery. From the GREAT MEN OF MEDICINE series.

**\*DR. HASTINGS**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2099  
 Title No. 002065 Sale \$137.00  
 Discusses some of his major research at Harvard, where he was for 23 years Hamilton Kuhn Professor of Biological Chemistry. Recalls his interest and research in electrolyte composition, tetany and parathyroid tetany, intermediary metabolism of lactic acid in the liver, the effect of chemicals on the mechanical work of the heart, and other application of biochemistry.  
 From the GREAT MEN OF MEDICINE series.

**\*DR. HUGGINS**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2371  
 Title No. 002066 Sale \$125.75  
 Tells the story of Dr. Huggins and his research in endocrinology and prostatic cancer. Tells about his work on bone marrow, and his interest and work in the physiology and control of disease with the introduction of chemotherapy. Expresses his views on medical education and the future role of medicine.  
 From the GREAT MEN OF MEDICINE series.

**\*DR. MCDERMOTT**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2109  
 Title No. 002067 Sale \$121.75  
 Expresses his views of U. S. medicine, where it stands today, and the future of medical education. Discusses his early research on infectious diseases and describes his experimentation with laboratory animals in field testing of the antimicrobial drugs, streptomycin, and isoniazid. Recalls the development of a research program for prevention and control of tuberculosis in Navaho Indians, and the problems solved.  
 From the GREAT MEN OF MEDICINE series.

**\*DR. WANGENSTEEN**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2391  
 Title No. 002068 Sale \$121.50  
 Features Dr. Wangensteen and his work as the head of the Department of Surgery for a number of years. Recalls his research experiments on the etiology of appendicitis, and the etiology and surgical treatment of peptic ulcer and esophagitis. Emphasizes the importance of the history of medicine in medical education, and also the importance of encouraging and sharing opportunities with students.  
 From the GREAT MEN OF MEDICINE series.

**\*DR. WOOD**

60 min, 16mm film, optical sd, b&w 1973  
 Producer USNMAC Agency No. T-2107  
 Title No. 002069 Sale \$113.75  
 Highlights of his early years at Harvard College at John Hopkins University, where he studied Medicine - and at Washington University in St Louis, where he was head of the Dept of Medicine. Describes his primary interest in the mechanisms of disease - his many years of clinical research in the study of pneumococcal pneumonia before and after antibiotics were developed - and the pathogenesis of fever.  
 From the GREAT MEN OF MEDICINE series.

**DRAFTS AND SLINGS**

16 min, 16mm film, optical sd, b&w 1949  
 Producer USA Agency No. TF55-1117  
 Title No. 278900 Sale \$28.50  
 Shows how to use sling or cargo net, pallet sling, and pie plate in handling cargo from docks and warehouses to holds.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

**DRAGON'S TEETH**

29 min, 16mm film, optical sd, b&w 1962  
 Producer USA Agency No. TV 566  
 Title No. 279060 Sale: W/DRAWN  
 General J Lawton Collins tells of the fight to take the Siegfried line in World War II, and of the campaign to cross onto the soil of Germany.

\* INDICATES NEW ENTRY.

From the <i>BIG PICTURE</i> series. Cleared for TV.		
<b>DREAM THAT WOULDNT DOWN, THE</b>		
27 min, 16mm film, optical sd, b&w Producer USNASA Title No. 279650	1965 Agency No. HQK 125 Sale \$54.50	Shows the dream of Dr Robert Goddard, the father of rocketry, is explored and examined through reminiscences of Mrs Goddard. Included are historic scenes of Dr Goddard's early experiments and the personal commentary of Mrs Goddard.
<b>DRESDEN NUCLEAR POWER STATION</b>		
15 min, 16mm film, optical sd, col Producer USAEC Title No. 001556	1958 Sale \$69.50	Surveys the construction of the 180,000 kilowatt Dresden Nuclear Power Station near the confluence of the Kankakee and Des Plaines River in Grundy County, Illinois. Includes scenes of the fabrication of the 350-ton reactor pressure vessel and other components. Includes aerial views and closeups of the construction of the 190-foot-diameter containment sphere for the reactor.
<b>DRILL PRESS, THE</b>		
10 min, 16mm film, optical sd, b&w Producer USOE Title No. 279850	1945 Agency No. OE 071 Rental \$5.00 Sale \$17.50	Describes the characteristics, basic operation and function of the drill press. From the <i>MACHINE SHOP WORK</i> series. Basic Machines
<b>DRILLING A HOLE IN A PIN</b>		
10 min, 16mm film, optical sd, b&w Producer USOE Title No. 279900	1942 Agency No. OE 046 Rental \$5.00 Sale \$17.50	Shows two methods of drilling a hole in each end of a steel pin--drilling to a layout and drilling with a jig. Stresses the importance of following directions and of keeping machine and tools clean. From the <i>MACHINE SHOP WORK</i> series. Operations on the Drill Press. Sensitive Drill, No. 1
<b>DRILLING A WELL BY THE PERCUSSION METHOD</b>		
6 min, 16mm film, optical sd, col Producer USNMAC Title No. 279950	1952 Agency No. M-0046 Sale \$21.25	Explains the percussion well-drilling rig, the welldrilling tool, procedures in drilling the well, installation of casings, and use of a bailer in removing sludge and dirty water. User should supplement film with current data.
<b>DRILLING AND TAPPING CAST STEEL</b>		
19 min, 16mm film, optical sd, b&w Producer USOE Title No. 280050	1942 Agency No. OE 022 Rental \$7.50 Sale \$33.75	Shows how to drill and tap blind holes in cast steel on a radial drill, using a jib with a loose drill bushing to locate the holes. From the <i>MACHINE SHOP WORK</i> series. Operations on the Drill Press. Radial Drill, No. 1
<b>DRILLING TO A LAYOUT AND SPOTFACING CAST IRON</b>		
15 min, 16mm film, optical sd, b&w Producer USOE Title No. 280200	1942 Agency No. OE 023 Rental \$7.50 Sale \$27.00	Shows in detail the techniques used when drilling to a layout and spotfacing the under side of a flange. Describes the method of mounting work on a table and explains the need for clamping it securely in place.
<b>DRILLING WITH PORTABLE DRILL MOTORS</b>		
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 280225	1943 Agency No. OE 138 Rental \$7.50 Sale \$30.50	Tells how to use a portable electric drill motor, select a drill, insert the drill in a chuck, check the drill for true-running, and install and use a special attachment for drilling. From the <i>AIRCRAFT WORK</i> series. Assembling and Riveting, No. 3
<b>DRILLING, BORING, AND REAMING WORK HELD IN CHUCK</b>		
11 min, 16mm film, optical sd, b&w Producer USOE Title No. 280300	1941 Agency No. OE 009 Rental \$5.00 Sale \$19.25	Shows how to drill a workpiece held in a lathe chuck, bore a tapered hole, check the accuracy of the hole, and ream a tapered hole to finish size. From the <i>MACHINE SHOP WORK</i> series. Operations on the Engine Lathe, No. 4
<b>DRILLING, TAPPING, STUB-BORING AND REAMING</b>		
22 min, 16mm film, optical sd, b&w Producer USOE Title No. 280350	1945 Agency No. OE 230 Rental \$7.50 Sale \$38.50	Shows how to drill and machine-tap a hole, use a core drill, use a stub-boring bar for rough- and finishboring and counterboring, and use an adjustable reamer and a floating reamer. From the <i>MACHINE SHOP WORK</i> series. Operations on the Horizontal Boring Mill, No. 6
<b>DRIVING AND BUCKING RIVETS</b>		
18 min, 16mm film, optical sd, b&w Producer USOE Title No. 280750	1943 Agency No. OE 140 Rental \$7.50 Sale \$32.00	Describes how to set up and adjust a rivet gun, drive and buck rivets, and how a riveter and bucker work together as a team. From the <i>AIRCRAFT WORK</i> series. Assembling and Riveting, No. 5
<b>DRIVING THE SEMI-TRAILER</b>		
19 min, 16mm film, optical sd, b&w Producer USA Title No. 280910	1948 Agency No. TF55-1478 Sale \$33.75	Explains the checking procedure for safety and protection of equipment and shows how to back a trailer up to a platform for loading and unloading.
<b>DROWNPROOFING - SAFETY AND SURVIVAL TECHNIQUES FOR SWIMMERS AND NON-SWIMMERS</b>		
20 min, 16mm film, optical sd, col Producer USOEO Title No. 281401	1966 Sale \$82.00	Demonstrates the drownproofing techniques of water survival.
<b>DRUG ABUSE, EDUCATION AND INFORMATION SLIDE RESOURCE KIT</b>		
165 2x2 slides, silent, col Producer USBNDD Title No. 003010	Sale \$55.00	Designed to provide qualified drug abuse education speakers with illustrative supplements for their presentations. Slides are divided into eight sections and each slide has a brief caption to assist in adapting it into the speakers' presentation.
<b>DRUG ABUSE EDUCATION MATERIAL</b>		
<b>DRUG ABUSE EDUCATION PROGRAMS AND COUNCILS</b>		
<b>DRUG ABUSER'S PROPAGANDA</b>		
<b>DRUGS AND YOUR BODY</b>		
<b>DRUGS OF ABUSE</b>		
<b>HISTORY OF DRUG ABUSE</b>		
<b>REHABILITATION AND TREATMENT CENTERS</b>		
<b>U. S. BUREAU OF NARCOTICS AND DANGEROUS DRUGS</b>		
<b>DRUG ABUSE EDUCATION MATERIAL</b>		
20 2x2 slides, silent, col Producer USBNDD Title No. 003011	Sale \$8.00	Section G of the Drug Abuse Education and Information Slide Resource Kit.

\* INDICATES NEW ENTRY

<b>DRUG ABUSE EDUCATION PROGRAMS AND COUNCILS</b>	<b>*DRYER DRUM PROCESS</b>
15 2x2 slides, silent, col Producer USBNDD Title No. 003012 Section H of the Drug Abuse Education and Information Slide Resource Kit.	20 min, 16mm film, optical sd, col Producer USFHWA Title No. 003114 Sale \$70.25
	1973
<b>DRUG ABUSER'S PROPAGANDA</b>	<b>DUAL-DRUM PAVER PRODUCTIVITY</b>
15 2x2 slides, silent, col Producer USBNDD Title No. 003013 Section B of the Drug Abuse Education and Information Slide Resource Kit.	30 min, 16mm film, optical sd, col Producer USFHWA Title No. 282075 Sale \$101.00
	1960
<b>*DRUG DIALOGUE - INVOLVEMENT</b>	<b>DULLES INTERNATIONAL AIRPORT - PROGRESS REPORT</b>
10 min, 16mm film, optical sd, col Producer USNIMH Title No. 002070 Available only as part of a series. Presents two former undercover narcotic agents who discuss detection of drug abusers and how this affected their lives. Shows how they grew long hair, infiltrated the youth scene, and yet shared the values of the majority community while at the same time had to respond to the values of another culture. From the <i>PROFESSIONAL DRUG FILMS</i> series. <i>RECOMMENDED FOR PROFESSIONAL USE ONLY.</i>	15 min, 16mm film, optical sd, col Producer USFAA Title No. 282297 Shows action scenes from Paver operations. Illustrates how and to what extent operating delays affect Paver productivity on the jobs where Paver production rates ranged from low on some to outstanding on others.
	1961
	<i>Agency No. FA-0124</i>
	<i>Sale \$95.00</i>
<b>*DRUG DIALOGUE - ORIENTATION</b>	<b>DUO-DIODE LIMITER - TSTR</b>
15 min, 16mm film, optical sd, col Producer USNIMH Title No. 002071 Available only as part of a series. Explains the pharmacological information contained in a chart of major substances used for mind alteration. Encourages professionals to make use of the reference materials available to them. From the <i>PROFESSIONAL DRUG FILMS</i> series. <i>RECOMMENDED FOR PROFESSIONAL USE ONLY.</i>	27 min, 16mm film, optical sd, b&w Producer USAF Title No. 282298 Discusses the complete operation of the duo-diode limiter, and explains how the amount of bias affects the amount of limiting. By using a mock-up of the duo-diode limiter, demonstrates how the circuit operation is affected when a component is opened or shorted. Uses an oscilloscope to show the normal output of the circuit compared to the output when a component is defective. (Kinescope)
	<i>Agency No. TVK 30-505</i>
	<i>Sale \$56.50</i>
<b>*DRUG TALK - SOME CURRENT PROGRAMS</b>	<b>*DURATION - 1</b>
30 min, 16mm film, optical sd, col Producer USNIMH Title No. 002072 Rental \$12.50 Sale \$63.75 Compares and contrasts several programs for the secondary level, and shows their effectiveness, or lack of it. Analyzes the concept of the 'drug abuse program' as a part of drug abuse prevention. From the <i>SOCIAL SEMINAR</i> series.	13 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003389 Illustrates a child's third lesson on duration at the presentation stage. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF</i> Series. <i>Essentials of Good Speech</i>
	<i>Agency No. A-101</i>
	<i>Sale \$30.50</i>
<b>*DRUGS AND BEYOND</b>	<b>*DURATION - 2</b>
30 min, 16mm film, optical sd, col Producer USNIMH Title No. 002073 Rental \$12.50 Sale \$50.25 Explains that in the not-so-distant future, decisions concerning the use and/or abuse of drugs for 'positive' purposes--such as, increased learning power, memory stimulation, accelerated maturing processes, tension control--will become major responsibilities of educators and administrators. Looks into this future offering a perspective on the entire question of drug education. Suggests that everyone must begin to deal with ideas about manipulation and alteration of man's 'natural' state of being, and the consequences of such experimenting. From the <i>SOCIAL SEMINAR</i> series.	13 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003390 Introduces a lesson at the imitation stage of duration, the 'part' which will eventually be applied to a whole word or words. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF</i> Series. <i>Essentials of Good Speech</i>
	<i>Agency No. A-102</i>
	<i>Sale \$30.50</i>
<b>DRUGS AND YOUR BODY</b>	<b>*DURATION - 3</b>
12 2x2 slides, silent, col Producer USBNDD Title No. 003014 Section D of the Drug Abuse Education and Information Slide Resource Kit.	12 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003391 Uses the verbal direction alone to help the pupil learn correct syllable duration in the word. From the <i>TEACHING SPEECH TO THE PROFOUNDLY DEAF</i> Series. <i>Essentials of Good Speech</i>
	<i>Agency No. A-103</i>
	<i>Sale \$28.75</i>
<b>DRUGS OF ABUSE</b>	<b>*DUST IS DYING, THE</b>
33 2x2 slides, silent, col Producer USBNDD Title No. 003015 Section C of the Drug Abuse Education and Information Slide Resource Kit.	14 min, 16mm film, optical sd, col Producer USDA Title No. 282382 Tells how farmers and ranchers on the great plains are preparing to prevent disaster by protecting the soil with grass and ground cover.
	<i>Agency No. 1438</i>
	<i>Sale \$64.00</i>
<b>DYNAMICS OF OCCLUSION - MANDIBULAR TEETH</b>	<b>DYNAMICS OF OCCLUSION - MANDIBULAR TEETH</b>
	16 min, 16mm film, optical sd, col Producer USVA Title No. 282875 Develops the occluding relationships of posterior mandibular
	<i>Agency No. 8D-092</i>
	<i>Sale \$81.75</i>

\* INDICATES NEW ENTRY

teeth in centric and eccentric contacts by Assistant in Periodontology and Arnold S Weingold, Assistant Professor, University of Pennsylvania, School of Dental Medicine.

#### DYNAMICS OF OCCLUSION - MAXILLARY TEETH

11 min, 16mm film, optical sd, col  
Producer USVA Agency No. 8D-093  
Title No. 282876 Sale \$44.25  
Develops the occluding relationship of posterior maxillary teeth in centric and eccentric contacts by reading imprints made in wax by the opposing teeth. By Morris Feder, CDT, Assistant in Periodontology and Arnold S Weingold, Assistant Professor, University of Pennsylvania, School of Dental Medicine.

#### DYNAMICS OF OCCLUSION - NOMENCLATURE

16 min, 16mm film, optical sd, col  
Producer USVA Agency No. 8D-091  
Title No. 282877 Sale \$61.25  
Models are used to define the basic contact and functional areas of maxillary and mandibular teeth. Their application in centric and eccentric occlusion is exhibited. By Morton Amsterdam, Professor and Arnold S Weingold, Assistant Professor, University of Pennsylvania, School of Dental Medicine.

#### DYNAMICS OF OCCLUSION - OCCLUSAL ADJUSTMENT OF NATURAL DETENTION BY SELECTIVE GRINDING

15 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. 8D-094  
Title No. 282878 Sale \$59.00  
Demonstrates the principles and procedures used to correct occlusal disharmonies. Illustrated w/ articulator-mounted study casts. By Arnold S Weingold and Leonard Abrams, Assistant Professors, University of Pennsylvania, School of Dental Medicine.

#### \*EAGLE EYE BRAVO

14 min, 16mm film, optical sd, col 1970  
Producer USMC Agency No. MH10278L  
Title No. 283200 Sale \$58.25  
Portrays the role and mission of the aerial observer in locating the enemy in the Republic of Vietnam.

#### \*EAGLE EYED PILOT

25 min, 16mm film, optical sd, col 1972  
Producer USFAA Agency No. FA-08-71  
Title No. 002074 Sale \$101.75  
Stresses that a pilot's 'eagle' vision and flight safety go hand-in-hand. It acquaints the general aviation pilot with the physiology of pilot vision. Highlights the limitations of the eye in flight and factors that can affect and impair sight and safety while airborne.

#### EAGLE HAS LANDED - THE FLIGHT OF APOLLO 11

29 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 194  
Title No. 283380 Sale \$119.50  
Shows man's first Moon landing, July 1969, including highlights of the flight of astronauts Armstrong, Aldrin, and Collins from launching through post-recovery activities, with emphasis on initial exploration of the lunar surface.

#### EAR, NOSE AND THROAT TREATMENTS

15 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MN08576I  
Title No. 283490 Sale \$27.00  
Explains the duties and responsibilities of hospital corpsmen in providing certain simple treatments for the ear, nose and throat as ordered by medical officers, for patients in wards of Naval hospitals. Depicts in detail the following treatment: instillation of ear drops, irrigation of the ear, instillation of nose drops, application of a nasal spray, application of a throat spray, and irrigation of the throat.

#### EARLIEST CLINICAL SIGNS OF INTRA-ORAL MALIGNANCIES

25 min, 16mm film, optical sd, col 1962  
Producer USVA Agency No. 8D-095  
Title No. 283495 Sale \$84.75  
Shows a systematic procedure for examining the oral cavity. Demonstrates the papanicolaou smear technique and points

out maturational disorders of the oral epithelium progressing from hyperplasia to carcinoma.

#### \*EARLY CUTANEOUS LEISHMANIASIS

7 min, 16mm fil., optical sd, col 1962  
Producer ILDS  
Title No. 004552 Sale: W/DRAWN  
Illustrates a common form of leishmaniasis. Discusses disfigurement following the disease and its possible prevention. Describes newer and older forms of therapy.

#### \*EARLY DIAGNOSIS OF MALIGNANT MELANOMA

24 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004553 Sale: W/DRAWN  
Demonstrates differential features of the three kinds of malignant tumors of pigment-forming cells. Gives guidelines for their early recognition by the nonspecialist and criteria for their prognosis.

#### EARLY MANAGEMENT OF COMPLEX PROBLEMS IN TRAUMA

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1826-X  
Title No. 283990 Sale \$81.00  
Discusses the approach to be taken when the problem of trauma develops in a patient who has sustained multiple injuries. Emphasizes early evaluation and priorities of treatment, resuscitation, timing the operation and the conduct of the operation. Discussed by Paul S Russell, MD, Harvard Medical School. (Kinescope)

#### EARS, THE

18 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. M-1719  
Title No. 284300 Sale \$74.25  
Examines the auricles, external auditory canals, and tympanic membranes.

#### \*EARTHQUAKE

13 min, 16mm film, optical sd, col 1973  
Producer USOCD Agency No. DD-CP-2-280  
Title No. 003524 Sale \$50.50  
Tells the story of what happened when the Los Angeles and San Fernando Valley earthquake started and how the people and their governments responded. For fiber shipping case, please add \$1.85.  
CLEARED FOR TV.

#### \*EARTHQUAKE

29 min, 16mm film, optical sd, col 1972  
Producer USDCPA Agency No. DD-CP-20278  
Title No. 002075 Sale \$96.25  
Tells the story of what happened in Southern California when an earthquake struck, and how the people and their government responded.

#### \*EASIER WAY, AN

4 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 4157  
Title No. 006396 Sale \$24.00  
Features a modern farmer cooperative which distributes formula feeds through relay bulk feed stations to farmers. The story contrasts old ways of handling feed and new methods which reduce costs and labor.

#### \*EASIER WAYS OF LOGGING

26 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1119  
Title No. 285825 Sale \$121.00  
Demonstrates recommended logging practices with particular emphasis on methods for farmers and small woodland owners in the eastern United States. Explains the sources of information on logging.  
CLEARED FOR TV.

#### \*EASIER WAYS OF LOGGING (SPANISH)

26 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1119-S  
Title No. 003937 Sale \$121.00  
Demonstrates recommended logging practices with particular emphasis on methods for farmers and small woodland

owners in the eastern United States. Explains the sources of information on logging.  
CLEARED FOR TV.

\***EASTERN WHITE PINE**

19 min, 16mm film, optical sd, col 1960  
Producer USDA Agency No. 1424  
Title No. 003938 Sale \$89.00  
A story of management and protection of white pine, so important in the forest economy of eastern communities. Explains significance of blister rust and pine weevil control programs - portrays the work of a farm forester in giving helpful advice to private woodland owners. Shows values that follow good management practices and control of pests.

**EATON AGENT PNEUMONIA**

17 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0479  
Title No. 286175 Sale \$58.50  
Traces the first study made in isolating and defining the cause of eaton agent pneumonia, and the later confirmation of the agent by means of the fluorescent antibody technique. Explains how the eaton agent was induced, the clinical manifestations, and the treatment with dimethylchlorotetracycline.

**EBR-I CORE DISASSEMBLY AFTER MELTDOWN**

13 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001644 Sale \$62.25  
Presents some major aspects of the removal and subsequent disassembly of the core of experimental breeder reactor I, mark 2, following meltdown. Illustrates the hot-laboratory remote-control techniques used to separate and recover enriched fuel from the blanket material.

**EBR-II FUEL FACILITY**

13 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 001645 Sale \$48.50  
Shows how the radioactive fuel from the experimental breeder reactor II is disassembled, reprocessed, and fabricated without prior time-consuming radioactive cooling periods. Describes how all facets of the system are designed for remote operation, repair, and modification of equipment.

**ECCO**

.7 min, 16mm film, optical sd, col  
Producer USSR  
Title No. 286190 Sale \$29.50  
Depicts the financing of a neighborhood rehabilitation facility in Columbus, Ohio.

\***ECHO IN SPACE - COMMUNICATION MILESTONE**

14 min, 16mm film, optical sd, col 1961  
Producer USNASA Agency No. HQ 037  
Title No. 286390 Sale \$91.50  
Describes the first establishment of communications in outer space by the satellite project Echo, in 1960.

\***EDUCATIONAL DIAGNOSIS**

29 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000331 Sale \$115.50  
The film demonstrates educational assessment for the young hearing impaired. Represented are subtests and adaptations of the Hiskey-Nebraska color test, a motor battery, language toys, draw-a-person, Bender Gestalt, Wisc performance, Knox cubes, Grace Arthur stencil design, Peabody picture vocabulary test and Myklebust picture story test.

OTHER FORMAT(S) OR VERSION(S)

29 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003392 Sale \$67.00

**EDUCATIONAL OPPORTUNITIES IN THE U.S. MARINE CORPS**

14 min, 16mm film, optical sd, col 1965  
Producer USMC Agency No. MH10140  
Title No. 288525 Sale \$58.25  
Shows how educational opportunities are related to military duties and future employment and ways they benefit the individual marine in the Corps and in civilian life.

\***EDUCATIONAL TECHNOLOGY**

12 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000332 Sale \$52.50  
This film is a presentation of how teaching machines, auditory aids, recording devices and visual displays are used in educational programs for the development of speech with the hearing impaired.

OTHER FORMAT(S) OR VERSION(S)

12 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003393 Sale \$35.50

**EFFECTIVE BRIEFING**

24 min, 16mm film, optical sd, col 1960  
Producer USAF Agency No. TF01-5332  
Title No. 288800 Sale \$81.50  
Shows how to plan, organize, prepare, rehearse and deliver staff and command briefings. Stresses accuracy, brevity and clarity in communications.

**EFFECTS OF AIR POLLUTION**

5 min, 16mm film, optical sd, col 1962  
Producer USNMAC Agency No. MIS-0678  
Title No. 000563 Rental \$9.99 Sale: W/DRAWN  
Acquaints the viewer with the relationship between our modern technological w... life and air pollution. It gives examples of adverse effects on health, agriculture, and our total economy.

\***EFFECTS OF CO ON HUMAN PERFORMANCE**

25 min, 16mm film, optical sd, col 1973  
Producer USEPA  
Title No. 003511 Sale \$97.75  
Documents some of the current research being performed by the National Environmental Research Center of the U S Environmental Protection Agency, and other cooperative laboratories on the effects of low-levels of carbon monoxide on human performance.

**EFFECTS OF THE IONOSPHERE ON RADIO WAVE PROPAGATION, THE**

29 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. TF11-1032  
Title No. 001646 Sale \$50.25  
Explains the characteristics of propagated radio waves at various frequencies, ground and sky waves, effect of the ionosphere on sky waves, and the effects of favorable and unfavorable atmospheric conditions.

**EGGS AND MIRACIDIA OF SCHISTOSOMA MANSONI**

3 min, 16mm film, silent, b&w 1947  
Producer USNMAC Agency No. 4 067  
Title No. 289525 Sale \$12.75  
Shows photomicrographic scenes of sch. soma mansoni eggs hatching in fresh water, and the miracidia searching for a suitable snail as the intermediate host.  
RECOMMENDED FOR PROFESSIONAL USE.

**EIGHT MISSION, THE**

29 min, 16mm film, optical sd, col 1968  
Producer USCG  
Title No. 000588 Sale \$115.50  
Highlights the major missions of the Coast Guard to serve better the needs of the domestic and international maritime community and the marine sciences.  
CLEARED FOR TV.

**EIGHT-MM FILM, THE - ITS EMERGING ROLE IN EDUCATION**

28 min, 16mm film, optical sd, col 1966  
Producer USOE  
Title No. 290125 Sale \$94.50  
Explores the educational potential of 8 MM film. Presents a sampling of activities in the field. Suggests both the current state and future promise of the role of 8 MM film in education.

#### EIGHTH GRADE MATHEMATICS

10 min, 16mm film, optical sd, b&w 1968  
Producer USOE Agency No. OE 507  
Title No. 290815 Rental \$5.00 Sale \$17.50  
One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching eighth grade mathematics.  
From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.

#### ELECTRIC POWER GENERATION IN SPACE

27 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQ 155  
Title No. 293625 Sale \$109.50  
Shows the wide range of power requirements for space exploration and the need for absolute trouble-free operation.

#### ELECTRIC PROPULSION

24 min, 16mm film, optical sd, col 1965  
Producer USNASA Agency No. HQ 096  
Title No. 293650 Sale \$99.75  
Shows what electric propulsion is, how it works, why it is needed, its present status and program for development, and how it may be used for both manned and unmanned missions.

#### ELECTRICAL CIRCUIT FAULTS

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 375  
Title No. 293700 Rental \$7.50 Sale \$33.75  
Shows how to test for and locate common circuit faults, such as grounds, resistance deterioration and interference in circuits.  
From the ELECTRICAL WORKS series. Wiring, No. 6

#### \*ELECTRICAL EQUIPMENT - MASTER OR SERVANT

18 min, 16mm film, optical sd, col 1965  
Producer USBM  
Title No. 003559 Sale \$75.75  
Demonstrates how electrical equipment can act as ignition sources to cause fires and explosions in gaseous atmospheres. The use of permissible, explosion-proof equipment is then demonstrated, showing how ignitions are prevented, and precautions are outlined for working with electrical equipment.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4900 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### ELECTROMAGNETIC CATHODE RAY TUBE - THEORY OF OPERATION

20 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN 8814  
Title No. 001647 Sale \$35.25  
Shows how the electrons are acted upon by the electron effect of a gun, control grid, and screen shield. Describes the magnetic field on an electron in motion as the basis for the action of the focus coil and deflection coil. Explains how a rotation sweep results from deflection coil currents out of phase by 90 degrees.

#### ELECTROMAGNETIC INTERFERENCE ASHORE

18 min, 16mm film, optical sd, b&w 1961  
Producer USN Agency No. MN 8912  
Title No. 001648 Sale \$32.00  
Importance of radio communications and sources of electromagnetic interference. Identification and analysis. Interference reduction principles and designing out the interference.

#### ELECTROMAGNETISM

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-136  
Title No. 295275 Sale \$52.50  
Discusses the characteristics of electromagnetism, and then explains the characteristics of a magnetic field around a current carrying conductor demonstrated with iron filings and

a compass. Then shows the 'left-hand' rule for determining current flow in an electromagnet. Illustrates the use of a 'dot' and a 'cross' to designate current flow. Gives the two characteristics of a magnetic field around a current-carrying coil and the two factors which determine the strength of the magnetic field. (Kinescope)

#### ELECTROMAGNETS

3 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 08016D  
Title No. 295550 Sale \$6.25  
Shows that by use of a magnetic field, current can be induced, and that this current in turn induces a magnetic field all along the wire. Shows the components of an electromagnet and explains how its strength can be varied.

#### ELECTRON COUPLED OSCILLATOR

37 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-532  
Title No. 001650 Sale \$76.25  
Shows the need for a buffer amplifier and its position in an oscillator circuit. Points out the purpose of each component and explains the operation of the electron coupled oscillator. Discusses frequency multiplication, with the results obtained in the output when tuning the buffer amplifier. Discusses frequency stability and output power of the circuit. (Kinescope)

#### ELECTRON THEORY, THE

5 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 8016A  
Title No. 001649 Sale \$9.25  
Shows the orbit of electrons around a representative atom. Describes the symbols used for neutral atom, electron, and atom with one positive charge, and normal electron motion and outside force producing electron motion in one direction, called current flow.

#### ELECTRON, THE - AN INTRODUCTION

16 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 175  
Title No. 296075 Rental \$7.50 Sale \$28.50  
Describes the nature of electrons, electron flow in solid conductors, electromotive force, types and control of electron flow, electron flow and magnetic fields, and induced electron flow.  
From the ENGINEERING series. Electronics, No. 1

#### ELECTRONIC FUNCTIONAL MODULES

17 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. MN 7460B  
Title No. 296354 Sale \$58.50  
Portrays military dependence upon electronic systems and endeavors to persuade industry to adopt modular design and mechanized production in electronic manufacturing.

#### ELECTRONIC ROUTE SYSTEM

14 min, 16mm film, optical sd, col 1969  
Producer USFHWA  
Title No. 001651 Sale \$58.25  
Traces the electronic route guidance system project from its conception through the present state of the art.

#### ELECTRONIC VOLTAGE REGULATORS

28 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-431  
Title No. 001652 Sale \$58.50  
States the purpose of each component in an electronic voltage regulator. Explains the effect on the output voltage, and on the voltage across each component when the voltage adjust is varied, the load is varied, and the input voltage is varied. (Kinescope)

#### ELECTRONICS - SPECIAL CIRCUITS AND DEVICES FREE RUNNING BLOCKING OSCILLATOR CIRCUIT

7 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MN 8814D  
Title No. 296350 Sale \$12.50  
FULL TITLE--OPERATION. A Simplified Version of the Blocking Oscillator.

**ELECTRONICS - SPECIAL CIRCUITS AND DEVICES****WAVEGUIDES**

18 min, 16mm film, optical sd, b&w 1959  
 Producer USN Agency No. MN 8814A  
 Title No. 296352 Sale \$32.00  
 Gives theory of energy propagation down a waveguide.

**ELECTRONICS - SPECIAL CIRCUITS AND DEVICES - TRIGGERED BLOCKING OSCILLATOR CIRCUIT OPERATION**

7 min, 16mm film, optical sd, b&w 1963  
 Producer USN Agency No. MN 8814E  
 Title No. 296351 Sale \$12.50  
 Shows conditions necessary for triggered blocking oscillator.

**ELECTROSTATIC CATHODE-RAY TUBE**

38 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK30-425  
 Title No. 001653 Sale \$78.50  
 Gives a pictorial view of a cathoderay tube, and identifies the three components necessary to form the tube. (Kinescope)

**ELECTROSTATIC PRINCIPLES - ATOMIC STRUCTURE OF MATTER**

30 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK30-104  
 Title No. 001654 Sale \$62.50  
 Defines matter and discusses the various states of matter. Defines elements, compounds, atoms, and molecules. (Kinescope)

**ELECTROSTATIC PRINCIPLES - CHARGED BODIES**

29 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK30-106  
 Title No. 001655 Sale \$60.50  
 Relates the effect of charged bodies to each other and lists the three possible electrical conditions of a charged body. States and discusses the law of attraction and repulsion between charged bodies. (Kinescope)

**ELECTROSTATIC PRINCIPLES - CONDUCTORS AND INSULATORS**

18 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK30-105  
 Title No. 001656 Sale \$38.50  
 Discusses the atomic construction of conductors and then defines 'conductor' in these terms. Identifies the materials which comprise conductors and lists the more important ones. (Kinescope)

**ELEMENTARY EDUCATION**

24 min, 16mm film, optical sd, col 1970  
 Producer USBE Agency No. TVK30-107  
 Title No. 001657 Rental \$12.50 Sale \$112.00  
 Demonstrates language as taught at a Belgian residential school for Boys, in Swedish extern classes, and the Woodford School at Essex, England.  
 From the *INTERNATIONAL EDUCATION OF THE HEARING IMPAIRED CHILD* Series.

**ELEMENTARY OPTICS IN PHOTOGRAPHY**

18 min, 16mm film, optical sd, b&w 1948  
 Producer USN Agency No. MN05384  
 Title No. 297250 Sale \$33.75  
 Explains principles of lighting effect and how light is reflected and refracted by the curvature and thickness of glass.  
 From the *FUNDAMENTALS OF PHOTOGRAPHY* series.

**ELEMENTS OF ELECTRICITY**

15 min, 16mm film, optical sd, b&w 1942  
 Producer USA Agency No. TF11-0622  
 Title No. 298050 Sale \$27.00  
 Explains the breakdown of a molecule into atoms, and the relation of protons and electrons to electricity.

**ELEVATION ACTIVITIES OF THE PARAPLEGIC PATIENT**

7 min, 16mm film, optical sd, col  
 Producer USNMAC Agency No. M-1408  
 Title No. 001658 Sale \$24.50  
 Demonstrates the ascent and descent of curbs, steps and ramps with the use of axillary crutches. Emphasizes on spotting techniques for the therapist.

**ELIMINATION OF A SHALLOW INFRABONY POCKET BY OSTEOTOMY IN RETROMOLAR AREA**

10 min, 16mm film, optical sd, col 1968  
 Producer USVA Agency No. D-84  
 Title No. 001659 Sale \$33.00  
 A shallow broad-based infrabony pocket is treated by osteotomy. After adequate access has been developed, the lesion is eliminated and physiologic osseous architecture is established.

**\*EMBANKMENT COMPACTION CONTROL - FAMILY OF CURVES**

15 min, 16mm film, optical sd, col 1973  
 Producer USFHWA  
 Title No. 000896 Sale \$58.25  
 Shows the proper methods for soil testing and quality control by the use of a family of curves and the one-point compaction test.

**EMBASSY MARINE - A SENSE OF RESPONSIBILITY**

28 min, 16mm film, optical sd, col 1964  
 Producer USMC Agency No. MH09824  
 Title No. 001660 Sale \$113.50  
 Shows the training of embassy Marines and the mission of marine security detachments on duty at the state department.

**EMBRYOLOGY OF THE LIVER, GALLBLADDER, AND PANCREAS**

18 min, 16mm film, opt.cal sd, col 1952  
 Producer USA Agency No. TF08-0003  
 Title No. 001661 Sale \$74.25  
 Consists of a simple visualization of the embryology of these organs particularly focusing on anomalies and variations commonly discovered by surgeons.  
 CLEARED FOR TV.

**EMBRYONATED EGG TECHNIQUES, PT 1 - INOCULATION**

6 min, 16mm film, optical sd, col 1965  
 Producer USNMAC Agency No. M-847  
 Title No. 001665 Sale \$19.50  
 Demonstrates techniques of inoculation from embryonated eggs for virus isolation.

**EMBRYONATED EGG TECHNIQUES, PT 2 - HARVESTING**

7 min, 16mm film, optical sd, col 1965  
 Producer USNMAC Agency No. M-916  
 Title No. 001666 Sale \$24.50  
 Demonstrates techniques of harvesting fluids from embryonated eggs inoculated with viruses.

**\*EMERGENCY DENTAL TREATMENT**

29 min, 16mm film, optical sd, col 1971  
 Producer USN Agency No. MN-11042  
 Title No. 002076 Sale \$115.50  
 Teaches medical and para-medical personnel an emergency treatment of toothache, pericoronitis, periodontal abscesses of necrotizing ulcerative gingivitis on isolated sea oil re-duty.

**\*EMERGENCY INVESTIGATION OF COAL WASTE EMBANKMENTS**

16 min, 16mm film, optical sd, col 1972  
 Producer USBM  
 Title No. 003569 Sale \$62.00  
 Shows different types of coal waste deposits, or dams, and how they are formed. Actual scenes taken after the Buffalo Creek, W. VA., Flood disaster (caused by the failure of a water impoundment and coal refuse dump) are shown. Investigations and evaluations aided the Bureau in determining any immediate, or imminent, hazards to mine employees, or people living nearby, and were used to recommend any corrective measures considered necessary for protection of lives and property.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4669 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15212. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**EMMY IMMUNIZATION**

5 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. MIS-934  
Title No. 300300 Sale \$29.25  
Encourages the establishment of an emmy immunization program in your area.

**\*EMOTIONAL TIES IN INFANCY**

12 min, 16mm film, optical sd, b&w 1971  
Producer USPHS  
Title No. 002077 Sale \$28.50  
Shows the importance of strong emotional ties between infant and adult by comparing four 8-10-month-old infants - a home-raised girl with strong attachment to her mother - a child in an institution who is equally attached to his nurse - another institutional baby who is indiscriminate in his attachment to any adult - still another baby in an institution who has formed no attachment, and who appears withdrawn and uninterested in his surroundings.

**EMPLOYING BLIND WORKERS IN INDUSTRY**

17 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 165  
Title No. 300725 Rental \$7.50 Sale \$30.50  
Depicts actual instances of blind workers performing jobs in industry, types of work which can be done by blind persons, and role of employment specialists in placing and training blind workers.

From the PROBLEMS IN SUPERVISION series.

**EMPLOYING DISABLED WORKERS IN INDUSTRY**

20 min, 16mm film, optical sd, b&w 1946  
Producer USOE Agency No. OE 399  
Title No. 300750 Rental \$7.50 Sale \$35.25  
Illustrates examples of disabled workers handling skilled industrial jobs--one-handed milking machine operator, one-handed machinist, one-armed electric welder, one-handed watch repairman, poliomyelitis-crippled jewelry maker, and one-handed secretary.

From the PROBLEMS IN SUPERVISION series.

**ENDFEED GRINDING A TAPERED PIN**

26 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 089  
Title No. 301725 Rental \$10.00 Sale \$45.50  
Gives principles of endfeed grinding such as how to true the regulating and grinding wheels, rough- and finish-endfeed grind, use a taper collet gage and prussian blue to check work, redress the wheels for the finish grind, and correct taper error of less than .0005 inch.  
From the MACHINE SHOP WORK series. Operations on the Centerless Grinding Machine, No. C

**\*ENDLESS CHAIN**

28 min, 16mm film, optical sd, col 1971  
Producer USAEC  
Title No. 002078 Sale \$75.00  
Demonstrates the work being done by the U. S. Atomic Energy Commission at its Ecological Study Sanctuary in Southeastern Washington State. Speaks of the ceaseless cycle of birth and death and the endless chain of vital forces that begin with the Sun's energy.

**ENDOCRINOLOGIC ASPECTS OF AMENORRHEA**

34 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1738  
Title No. 301850 Sale \$70.50  
Presents the various causative factors resulting in secondary amenorrhea. Emphasis is placed on differential diagnosis by clinical laboratory tests. (Kinescope)

**\*ENDODONTICS - PULP MORPHOLOGY AND EFFECTIVE ACCESS, PT 1, THE ANTERIOR TEETH**

20 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-10813B  
Title No. 002081 Sale \$81.75  
From the ENDODONTICS series.

**\*ENDODONTICS - PULP MORPHOLOGY AND EFFECTIVE ACCESS, PT 2, THE BICUSPID TEETH**

11 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-10813B  
Title No. 002081 Sale \$44.75  
From the ENDODONTICS series.

**\*ENDODONTICS - PULP MORPHOLOGY AND EFFECTIVE ACCESS, PT 3, THE MOLAR TEETH**

20 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-10813B  
Title No. 002082 Sale \$81.75  
From the ENDODONTICS series.

**\*ENDODONTICS - PULP MORPHOLOGY AND EFFECTIVE ACCESS, DIAGNOSIS AND CASE SELECTION**

28 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-10813A  
Title No. 002079 Sale \$113.50  
From the ENDODONTICS series.

**ENEMAS**

20 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN01511V  
Title No. 000590 Sale \$35.25  
Discusses two main types of enemas retention and evacuant and demonstrates the procedure for giving them and the after-care of the patient and equipment.

**ENEMY AGENT AND YOU, THE**

25 min, 16mm film, optical sd, b&w 1965  
Producer USDOD Agency No. DOD IS 07  
Title No. 301875 Sale \$43.75  
Reveals the techniques and devices used by professional enemy agents to obtain security information.

**ENEMY IN YOUR HOME**

13 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0911  
Title No. 301910 Sale \$45.25  
Explains the epidemiology of dengue and yellow fever, the biology and methods of surveying and controlling the yellow fever mosquito (aedes aegypti). A general film designed to obtain support from health workers and the general public for the aedes aegypti eradication program.

**ENGINE ASSEMBLY**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 463  
Title No. 303100 Rental \$7.50 Sale \$33.75  
Shows how to check the cylinder head and block, intake and exhaust manifolds, under-chassis parts, valve mechanism and adjusting tappets, vents, screw and air filters, oil filter and lines and cylinder depression.

**ENGINE ASSEMBLY (SPANISH)**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 463  
Title No. 001667 Rental \$7.50 Sale \$33.75  
Shows how to check the cylinder head and block, intake and exhaust manifolds, under-chassis parts, valve mechanism and adjusting tappets, vents, screw and air filters, oil filter and lines and cylinder depression.

**ENGINE CHANGE - INSTALLATION**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 273  
Title No. 303160 Sale \$35.75  
Describes safety precautions to be observed when installing an engine, how to inspect engine mount, controls, and firewall, connect controls and attachments, ground-test the engine, and prepare for check flight.  
From the AIRCRAFT WORK series. Power Plant Maintenance

**ENGINE CHANGE - REMOVAL**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 272  
Title No. 303165 Sale \$35.75  
Shows safety precautions to be observed when removing an engine, how to disconnect controls and attachments, remove the engine, and inspect the mount, firewall, and controls.

<b>From the AIRCRAFT WORK series. Power Plant Maintenance</b>			
<b>ENGINE REASSEMBLY, PT 1</b>			
16 min, 16mm film, optical sd, b&w Producer USN Title No. 303210	1944 Agency No. MN02364J Sale \$28.50	22 min, 16mm film, optical sd, b&w Producer USAEC Title No. 001668	1953 Sale \$38.50
Tells how to inspect the liner, seat the seat in position in the cylinder block, lower the liner and fit the piston into the liner, put shell into connecting rod bearing, and install the connecting rod bearing cap.			
<b>ENGINE REASSEMBLY, PT 2</b>			
17 min, 16mm film, optical sd, b&w Producer USN Title No. 303211	1944 Agency No. MN02364K Sale \$30.50	13 min, 16mm film, optical sd, col Producer USBEH Title No. 304202	1970 Sale \$68.00
Shows how to install fire gasket, liner, cylinder nuts, motor header flange, liner drain plug, exhaust manifold gasket and coverframe, lube oil lines, and install cylinder head cover.		Observes science, history, and french classes at the Mary Hare Grammar School, England. From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.	
<b>ENGINE REASSEMBLY, PT 3</b>			
16 min, 16mm film, optical sd, b&w Producer USN Title No. 303212	1944 Agency No. MN02364L Sale \$28.50	<b>ENUCLEATION OF A DENTIGEROUS CYST OF THE MAXILLA</b>	
Describes how to secure exhaust manifold, install indicator cock and relief valve unit, secure air starting manifold and supply lines, remove coupling gear, close indicator cocks, and tighten wrist pin bolt.		7 min, 16mm film, optical sd, col Producer USVA Title No. 305240	1968 Agency No. D-097 Sale \$28.25
<b>ENGINE TESTS AND TUNE UP</b>			Gives diagnostic and surgical procedures for treatment of a dentigerous cyst. Describes the histopathological characteristics. By Noah R Calhoun, DDS, MSD, Oral Surgeon, V A Hospital, Washington, D C.
18 min, 16mm film, optical sd, b&w Producer USOE Title No. 303200	1945 Agency No. OE 465 Rental \$7.50 Sale \$32.00	<b>ENUCLEATION OF A MANDIBULAR RADICULAR CYST</b>	
Shows how to adjust the automatic choke and check and adjust ignition, valve tappets, and carburetor. Describes how to make vacuum gage tests and test the vacuum brake system.		7 min, 16mm film, optical sd, col Producer USVA Title No. 000591	1968 Agency No. D-75S Sale \$30.75
From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Preventive Maintenance, No. 5		Complete enucleation is generally considered to be the operative treatment of choice for uncomplicated cysts. Demonstrates the procedures involved in the surgical removal of a radicular cyst and primary closure of the wound.	
<b>ENGINEERED PERFORMANCE STANDARDS PROGRAM, THE</b>			
16 min, 16mm film, optical sd, b&w Producer USN Title No. 303265	1953 Agency No. MN07837 Sale \$28.50	<b>*ENVIRONMENT FOR EDUCATION</b>	
Explains the engineered performance standards program and its benefits to workers and to management at U S Naval Air Stations.		19 min, 16mm film, optical sd, col Producer USDCPA Title No. 002083	1973 Agency No. CP5-272 Sale \$78.00
<b>ENGINEERING DATA MANAGEMENT</b>		Explains, by example, that well designed school buildings can provide protection against vandalism, noise pollution, natural disaster hazards, as well as radioactive fallout.	
11 min, 16mm film, optical sd, col Producer USAF Title No. 303279	1966 Agency No. SFP 1483 Sale \$37.25	<b>ENVIRONMENTAL FACTORS AFFECTING RELIABILITY OF ELECTRONIC EQUIPMENT</b>	
Describes program developed by Air Force Logistics Command for obtaining necessary engineering data about Air Force Weapon Systems. Shows how the contractor provides such information direct to the user. Explains advantages of the program to both contractor and Air Force. Also discusses priorities of requests for information and necessary controls.	CLEARED FOR TV.	7 min, 16mm film, optical sd, b&w Producer USN Title No. 305290	1956 Agency No. MN 8681A Sale \$30.50
<b>ENGINEERING DOCUMENTATION FOR UNIFORM REQUIREMENTS</b>		Explains the influence of Naval shipboard environments (shock, vibration, salt spray, and temperature) upon the reliability of electronic equipment. Demonstrates the correlation of these environmental factors with specifications and testing procedures.	
25 min, 16mm film, optical sd, col Producer USA Title No. 303281	1967 Agency No. MF20-9313 Sale \$84.75	<b>*ENVIRONMENTAL SANITATION</b>	
Describes the development of standardization conceptions for an overall engineering drawing area. Traces the reasons behind a standardization concept and portrays a history of events leading to its successful completion. Illustrates the difficulties surrounding such projects and gives insight into the machinery used to bring the military and industry to an agreement on a basic document for the procurement of engineering drawings by the military from contractors.		9 min, 16mm film, optical sd, col Producer USOIAA Title No. 305350	1945 Sale: W/DRAWN
<b>ENGINEERING TEST REACTOR</b>		Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities.	
14 min, 16mm film, optical sd, col Producer USAEC Title No. 001669	1958 Sale \$67.00	<b>*ENVIRONMENTAL SCHOOL, THE</b>	
Discusses the design, construction, operations, and uses of the Atomic Energy Commission's nuclear test reactor at the National Reactor Testing Station in Idaho.		8 min, 16mm film, optical sd, col Producer USD Title No. 003788	1971 Agency No. 8950-7 Sale \$41.00
<b>OTHER FORMAT(S) OR VERSION(S)</b>		A series made in the schools of Detroit, Michigan on 'outdoor classrooms.' Shows school with open area developed to teach children about plants, insects, bird and animal life. The actual voices of various teachers and students can be heard telling their story.	
<b>* INDICATES NEW ENTRY</b>		<b>ENVIRONMENTAL TESTING AT SANDIA</b>	
		28 min, 16mm film, optical sd, col Producer USAEC Title No. 001670	1964 Sale \$88.00
		Provides a semi-technical discussion on the natural and induced environments affecting the reliability of weapon components and systems between their manufacture and use. Includes a series of test sequences showing some of the facilities of the Atomic Energy Commission's installation at Sandia Laboratory.	

<b>EPIDEMIC OF HISTOPLASMOSIS, AN</b>		<b>*EQUINE INFECTIOUS ANEMIA</b>
17 min, 16mm film, optical sd, col Producer USNMAC Title No. 305375	1961 Agency No. M-0534 Sale \$58.50	16 min, 16mm film, optical sd, col Producer USDA Title No. 003939
Explains how an epidemic of acute respiratory disease in a Boy Scout troop is investigated by chest survey, histoplasmin skin tests, and complement fixation to confirm histoplasmosis. Discusses the soil cultures of the site of exposure, a startling roost, explaining that they implicate the guano-fertilized park area.		Is a disease that affects horses, mules, and burros. EIA, also known as swamp fever, is found in all areas of the United States. Highly infectious, EIA is spread by mosquitoes, biting flies, and by use of contaminated equipment such as tack and hypodermic needles. Outlines precautionary measures and appeals to all horse owners and trainers to use utmost care with their animals.
<b>EPIDEMIOLOGY OF INFLUENZA, THE</b>		<b>*ERADICATING THE KHAPRA BEETLE</b>
13 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 000593	1950 Agency No. 4 100 Sale \$23.75	13 min, 16mm film, optical sd, col Producer USDA Title No. 003940
Reviews the historical significance of influenza, discusses its behavior and periodicity, and explains the program of the World Health Organization with regard to the disease.		The khapra beetle is the world's worst pest of stored grain, and its damage in elevators and warehouses in affected areas of California, Arizona, and New Mexico is forcefully portrayed in this film. The striking scenes of control measures make this an unusual and vivid picture - huge elevators and warehouses are filled with methyl bromide gas to kill these insects, covered with giant plastic tarpaulins and fumigated.
<b>EPIDEMIOLOGY OF MURINE TYPHUS</b>		<b>*ERECTING LARGE POLES</b>
18 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 305448	1953 Agency No. 4-040.1 Sale \$32.00	21 min, 16mm film, optical sd, b&w Producer USA Title No. 003101
Presents epidemiological study of murine typhus and its relationship to its prevention and control. Shows pattern of the disease-rats, rat fleas, man-and the role of Public Health officers and the U S Public Health Service in controlling the disease.		1960 Agency No. TF-11-2867 Sale \$44.50
<b>EPIDEMIOLOGY OF PESTICIDE POISONINGS, THE</b>		Procedures and equipment used in A-frame method, gin pole method, and engineer crane method of erecting poles--advantages of each method--stress on safety rules.
19 min, 16mm film, optical sd, col Producer USNMAC Title No. 305454	1969 Agency No. M-1668 Sale \$74.25	<b>ERIC -- A SERIES</b>
Describes pesticides and their use, the prevalence of pesticide poisonings, and the reasons and methods for staging an epidemiological investigation. Portrays two specific cases showing the methods used in the investigation.		25 fr, 35mm filmstrip, record, col Producer USFDA Title No. 001671
<b>EPIDEMIOLOGY OF SALMONELLOSIS IN MAN AND ANIMAL</b>		1970 Sale \$5.00
15 min, 16mm film, optical sd, col Producer USNMAC Title No. 305460	1964 Agency No. M-0558 Sale \$51.75	Shows the organization and use of the Educational Resources Information Center, a national information network for acquiring, abstracting, indexing, storing, and disseminating significant and timely educational research and program descriptions.
Shows the complex transmission patterns of salmonellosis from contaminated feeds to food animals to humans. Describes significance of human 'carriers' among food handlers. Suggests means of control.		<b>INTRODUCTION TO ERIC</b>
<b>EPIDEMIOLOGY OF STAPHYLOCOCCAL INFECTIONS</b>		<b>HOW TO USE ERIC</b>
13 min, 16mm film, optical sd, col Producer USNMAC Title No. 305470	1958 Agency No. M-0355 Sale \$45.25	<b>ERIC ADVANCED TRAINING PROGRAM</b>
Traces the epidemiological pattern of staphylococcal infection within the hospital. Shows that hospital personnel frequently are carriers of antibioticresistant epidemic strains of staphylococcus, and that these personnel carriers may infect patients through direct contamination, or through contamination of the environment.		<b>ERIC ADVANCED TRAINING PROGRAM</b>
<b>*EPIZOONOSIS</b>		3 fr, 35mm filmstrip, record, col Producer USFDA Title No. 001672
12 min, 16mm film, optical sd, col Producer IDCE Title No. 004554	1966 Sale: W/DRAWN	Sold only as part of the Eric series. From the ERIC set...\$8.
Shows several types of parasitic insects called epizoonoses that feed on the surface of the human body and cause pathological changes in the skin. Explains their living habits and the physical symptoms which they cause from the case presentations on film series.		<b>*ERP IN ACTION, VOL 1, NO. 04</b>
<b>EQUILIBRATION OF OCCLUSION</b>		11 min, 16mm film, optical sd, b&w Producer USA Title No. 306705
19 min, 16mm film, optical sd, col Producer USN Title No. 306080	1952 Agency No. MN07340 Sale \$65.00	1952 Agency No. AFSR118 Rental \$5.00
Shows various pathological conditions of teeth, gums, and the associated nervous system caused by traumatic occlusion. Gives illustrative examples of such occlusion. Explains that in malocclusion, improvement of stress distribution is obtained through equilibration by selective grinding, and demonstrates this procedure by the use of study casts, animation, and live-action photography of natural and artificial dentures.		Shows how the European Recovery Project combats Communistic influences in the countries receiving Marshall Plan funds. Discusses some of the projects undertaken.
<b>ERTS - EARTH RESOURCES TECHNOLOGY SATELLITE</b>		<b>*ERP IN ACTION, VOL 1, NO. 12</b>
		11 min, 16mm film, optical sd, b&w Producer USA Title No. 306713
		1952 Agency No. AFSR118 Rental \$5.00
<b>ERYTHROCYTE TRANSKETOLASE ACTIVITY</b>		<b>ERTS - EARTH RESOURCES TECHNOLOGY SATELLITE</b>
		19 min, 16mm film, optical sd, col Producer USVA Title No. 000534
		1964 Sale \$85.00
		Demonstrates the usefulness of the assay erythrocyte transketolase activity and the 'TPP Effect' for the diagnosis of thiamin deficiency in man.
		<b>29 min, 16mm film, optical sd, col Producer USNASA Title No. 002084</b>
		1973 Agency No. HQ 223 Sale \$111.50
		Shows 10 U.S. investigators who explain how they are using ERTS images to identify crops, forests and grass lands, to

study urban development, determine the boundary of wetlands, identify geological features that may lead to mineral and fuel deposits and to monitor disasters such as floods, volcanic eruptions, etc.

\***ERUPTION OF KILAUEA 1959-60**

29 min, 16mm film, optical sd, col 1961

Producer USGS

Title No. 003116

Sale \$109.50

Features the spectacular eruption of Kilauea Volcano of 1959-60, highlighting the sight and sound of lava fountaining from the subsidiary crater, Kilauea Iki.

\***ERUPTION OF KILAUEA 1959-60 (SPANISH)**

29 min, 16mm film, optical sd, col 1961

Producer USGS

Title No. 003117

Sale \$150.00

Features the spectacular eruption of Kilauea Volcano of 1959-60, highlighting the sight and sound of lava fountaining from the subsidiary crater, Kilauea Iki.

**ERYTHROCYTIC STAGES OF PLASMODIUM VIVAX**

4 min, 16mm film, optical sd, b&w 1954

Producer USNMAC Agency No. M-0138A

Title No. 306810

Sale \$7.75

By means of the phase contrast microscope, shows the appearance and behavior of living malaria parasite within infected red blood cells, specifically, ring stages, young and mature trophozoites, and schizonts of plasmodium vivax.

**ESCAPE AND SURVIVAL SYSTEM**

22 min, 16mm film, optical sd, col 1960

Producer USAF Agency No. TF01-5357

Title No. 306825 Sale \$74.75

Familiarizes pilots and escape system maintenance personnel with the operational principles of the F-106 upward ejection system. Demonstrates how correct operation of the system guarantees survival in a supersonic ejection.

**ESOPHAGEAL PROBLEMS**

40 min, 16mm film, optical sd, b&w 1965

Producer USNMAC Agency No. T-1835-X

Title No. 307580 Sale \$77.50

Views dysphagia as the most common symptom of esophageal disease. Presents a discussion on the diagnosis and treatment of a variety of esophageal lesions. Discussed by George W B Starkey, MD and Richard Schatzki, MD, Harvard Medical School and Franz J Angelfinger, MD, Boston University School of Medicine. (Kinescope)

\***ESSENTIALS OF FIRST AID**

31 min, 16mm film, optical sd, b&w 1942

Producer USN

Title No. 307990 Rental \$10.00

Describes some of the medical facilities afloat, methods of transporting and protecting injured men, rescuing and reviving men overcome by smoke, contents of Navy first aid kits, and steps in the examination and treatment of the wounded.

**ESTABLISHING CONSTRUCTION LINES, PT 1**

17 min, 16mm film, optical sd, b&w 1942

Producer USN Agency No. MN02345A

Title No. 308025 Sale \$30.50

Shows by animation how to establish five basic lines-base, center, buttock, frame, and water, used in ship construction.

**ESTABLISHING CONSTRUCTION LINES, PT 2**

16 min, 16mm film, optical sd, b&w 1944

Producer USN Agency No. MN02345B

Title No. 308030 Sale \$28.50

Covers establishment of center, buttock, and water lines for use as reference points. Also shows setting of bulkhead and use of reference lines to locate a foundation.

**ESTABLISHING WORKING RELATIONS FOR THE DISABLED WORKER**

14 min, 16mm film, optical sd, b&w 1946

Producer USOE Agency No. OE 401

Title No. 308150 Rental \$7.50 Sale \$25.50

Dramatizes case study of workers being overly solicitous of a new one-handed lathe operator, of his resentment at being

considered a 'freak,' and of the supervisor's successful handling of the situation.

From the **PROBLEMS IN SUPERVISION** series.

\***ETERNAL FOREST, THE**

21 min, 16mm film, optical sd, col 1970

Producer USDA Agency No. 6641

Title No. 003787 Sale \$102.00

Deals with the popular subject of man and his environment-specific forests and woodlands. Describes efforts to restore nature's balance with growing awareness of the extent of depletion since the turn of the century. Highlights today's sensible balance between use of our forest's resources and their protection for future generations.

\***EUROPE - TWO DECADES**

45 min, 16mm film, optical sd, b&w

Producer NATO

Title No. 002086 Rental \$15.00 Sale \$116.75

Presents a screen history of the first twenty years of the post-war world. The decade 1945-1955 is described, including the beginnings of East/West confrontation, the rape of Czechoslovakia, Berlin Airlift and the origins of western unity centered around the six. Birth of NATO is also described. Second Decade, 1955-1965, highlights the confrontation between Nikita Kruschev and President Kennedy culminating in the Cuban crisis and ends with the retirement of Kruschev and his legacy-the Berlin Wall.

**EVALUATION OF PLANT FACILITIES AND CAPABILITIES**

18 min, 16mm film, optical sd, col 1969

Producer USFSS

Title No. 309085 Sale \$74.25

Examines pre-award plant surveys conducted by quality control representatives. Intended to be "... for orientation and/or refresher for quality control representatives and contracting officers.

**EVALUATION OF PROTEINURIA AND HEMATURIA**

40 min, 16mm film, optical sd, b&w 1964

Producer USNMAC Agency No. T-1818X

Title No. 309087 Sale \$81.00

Evaluates photos of abnormal urine sediment and kidney biopsies from a patient with proteinuria. Discusses a second patient with gross or microscopic hematuria. William B Schwartz, MD, Tufts University School of Medicine and Arnold S Relman, MD, Boston University School of Medicine participate in the discussions. (Kinescope)

**EVERY MINUTE COUNTS**

10 min, 16mm film, optical sd, b&w 1944

Producer USOE

Title No. 309300 Rental \$5.00 Sale \$17.50

Shows the problems of a new supervisor in handling lateness, loafing, and absenteeism. Tells how he learns to deal with individual cases.

From the **PROBLEMS IN SUPERVISION** series.

**EVIDENCE IN COURTS-MARTIAL - GENERAL RULES OF EVIDENCE**

17 min, 16mm film, optical sd, b&w 1954

Producer USN Agency No. MN09238A

Title No. 001673 Rental \$7.50 Sale \$30.50

Shows typical situations in courts-martial and how the rules of evidence are applied. Among the topics discussed are corpus delicti, identity, intent, oral testimony, documentary evidence, real evidence, direct and circumstantial evidence, and relevant and competent evidence.

**EVIL WIND OUT**

11 min, 16mm film, optical sd, b&w 1963

Producer USIA

Title No. 310010 Rental: W/DRAWN Sale: W/DRAWN

Shows how a Colombian Public Health Service doctor overcomes superstition in a backward village. One of a trio of films by James Blue on the 'Alliance for Progress' theme. See also 'Letter from Colombia' and 'School at Rincon Santo.'

<b>EXAMINATION OF THE MOUTH</b>	<b>*EXPECT THE UNEXPECTED</b>		
8 min, 16mm film, optical sd, col Producer USHSMH Title No. 310590	11 min, 16mm film, optical sd, col Producer USPOST Title No. 002087	1971	Sale \$35.25
Demonstrates proper technique for examination.	Depicts situations which contribute to vehicle accidents and demonstrates driving techniques on snow, ice, and wet surfaces.		Sale \$43.00
OTHER FORMAT(S) OR VERSION(S) 16 min, 16mm film, optical sd, col Producer USHSMH Title No. 310591			
<b>*EXAMINING THE MOON</b>	<b>EXPERIMENTAL BOILING WATER REACTOR, THE</b>		
7 min, 16mm film, optical sd, col Producer USNASA Title No. 310620	34 min, 16mm film, optical sd, col Producer USAEC Title No. 001674	1957	1969
Demonstrates the operation of the Apollo lunar survey and experiments package on the Moon.	Presents an actual account of the operation of the reactor, beginning with the installation of the reactor components, with pressure vessel and other units in the steam cycle already in place, continuing through the assembly of the reactor components to the loading of the core, arriving at first critical, capping the reactor, first 10 MW. operation, then the generation of 5,000 KW. of electricity.		Sale \$125.75
<b>EXCYSTATION AND MOTILITY OF ENDAMOEBA HISTOLYTICA</b>	<b>EXPERIMENTAL BREEDER REACTOR I, MARK 3</b>		
3 min, 16mm film, silent, b&w Producer USNMAC Title No. 310980	14 min, 16mm film, optical sd, col Producer USAEC Title No. 001675	1958	1948
Shows by bright-field and dark-field illumination the process of excystation of the trophozoite of endamoeba histolytica. Recommended for professional use.	Presents some major aspects of the fabrication, installation, and operation of a new core (Mark 3) for the experimental breeder reactor I at the National Reactor Testing Station, Idaho.		Sale \$85.00
<b>EXECUTIVE CHECK</b>	<b>EXPERIMENTAL DIVING UNIT - EVALUATION OF PHYSICAL FITNESS BY THE STEP-UP TEST</b>		
25 min, 16mm film, optical sd, col Producer USAF Title No. 310970	12 min, 16mm film, optical sd, b&w Producer USN Title No. 000594	1943	1963
Pictures views of President John F Kennedy's visit to Eglin Air Force Base where he sees the latest in air warfare operations and weapons. Demonstrates SAC and TAC minimum interval take-off techniques, air commando exercise, air-to-air and air-to-ground rocketry and gunnery, and close air support. Shows the President as he views a static display of every type of operational Air Force aircraft, including the X-15. <u>CLEARED FOR TV.</u>	Describes equipment needed for the test and procedure for making the test.		Sale \$84.75
<b>*EXERCISE BRIGHT STAR - PINE CONE 3</b>	<b>*EXPERIMENTAL LOADING STUDY OF THREE HIGHWAY BRIDGES IN TENNESSEE WITH THE U.S. ARMY ...</b>		
13 min, 16mm film, optical sd, b&w Producer USAF Title No. 310990	18 min, 16mm film, optical sd, col Producer USBPR Title No. 311825	1969	1961
Rental \$7.50 Depicts the role of the U S Air Reserve in this joint Air Force-Army exercise. Shows how Air Reserve Units, Tactical Air Command and the Military Airlift Command work as a team with a high degree of combat readiness.	FULL TITLE - EXPERIMENTAL LOADING STUDY OF THREE HIGHWAY BRIDGES IN TENNESSEE WITH THE U.S. ARMY MAIN BATTLE TANK TRANSPORTER.		Rental \$10.00
<b>EXERCISE DESERT STRIKE</b>	<b>EXPERIMENTS IN CONTROLLING BRUSH FIRES WITH DETERGENT FOAM</b>		
21 min, 16mm film, optical sd, col Producer USAF Title No. 311035	7 min, 16mm film, optical sd, col Producer USAEC Title No. 000595	1965	1965
Show how the conflict escalates from conventional to nuclear warfare. <u>CLEARED FOR TV.</u>	Describes a series of tests by Argonne National Laboratory to explore the use of detergent foam as a fire break.		Sale \$27.25
<b>EXERCISES TO MOBILIZE THE SHOULDER</b>	<b>EXPLORATION AT BOULDER</b>		
8 min, 16mm film, optical sd, col Producer USNMAC Title No. 311050	20 min, 16mm film, optical sd, col Producer USNBS Title No. 312690	1970	1965
Shows exercises to preserve or restore range of motions of the shoulder. The motions which are possible are combinations of basic movements in certain planes. Movements shown are extension and flexion, abduction, external and internal rotation, combination of movements, pendulum exercises, abduction and circumduction. Exercises are performed independently and when the patient cannot perform this activity alone he may be assisted by another person. The patient may also assist himself with a rope and pulley, a shoulder wheel, and a finger ladder.	Describes the work of the National Bureau of Standards at its Boulder, Colorado Laboratories, an important center for new knowledge in the field of science and technology. Depicts the pioneering efforts of Bureau scientists in quantitative measurement of cryogenics, electronics, electromagnetics, time and frequency, and atomic physics.		Sale \$82.00
<b>*EXPANDING LANGUAGE</b>	<b>*EXPOSED</b>		
2 min, 38mm cartridge, optical sd, col Producer USBEH Title No. 003394	16 min, 16mm film, optical sd, col Producer USDA Title No. 313800	1962	1962
Sold only in a cartridge with linguistic analysis and simplification of transformations. Presents short insights into home and school education of the profound hearing impaired.	A technical film which demonstrates how, through cooperation of veterinarians and livestock owners and a battery of tests, a hidden brucellosis shedder is located among a herd.		Agency No. 2182 Sale \$68.00
<b>* INDICATES NEW ENTRY</b>	<b>EXTRA DIVIDENDS</b>		
	14 min, 16mm film, optical sd, col Producer USAE Title No. 000596	1963	
	Opens with a short, dramatic reference to the importance of flood-control planning, and demonstrates added benefits of		Sale \$109.50

reservoir development for public use. Shows the great out-of-doors' attractions surrounding Corps of Engineers' projects in southern Missouri and Arkansas.

#### \*EXTRA FOREST DOLLARS

14 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1039  
Title No. 314057 Sale \$64.00

Shows well-known and little-known products of the national forests—logs and lumber, furniture stuffing, candy, and cascara—and emphasizes the contribution of these forests to the country's economy.

CLEARED FOR TV.

#### EXTRA-ORAL PARALLEL PIN PROCEDURE

10 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-20-FP  
Title No. 314121 Sale \$35.00

Demonstrates the extra-oral technic where paralleling and depth of pin penetration are determined on a model with the use of a parallelometer. The resulting index is transferrable to the mouth for the drilling operation.

#### EXTRACTION OF MANDIBULAR TEETH - SURGICAL PREPARATION

11 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-57  
Title No. 314100 Sale \$38.25

Demonstrates accepted surgical procedures used in the removal of the mandibular teeth and preparation of the alveolar ridge. Emphasis is placed on maintenance of the denture bearing bone.

#### EXTRACTION OF MAXILLARY TEETH - SURGICAL PREPARATION

14 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-56  
Title No. 314110 Sale \$48.00

When attached gingivitis has been reduced by periodontal disease, every effort should be made to preserve it during extraction of the teeth. This film demonstrates accepted procedures for removal of maxillary teeth and shows the surgical preparation of the alveolar ridge.

#### EYE TREATMENTS

14 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN08576H  
Title No. 000597 Sale \$25.50

Presents the responsibilities of hospital corpsmen in providing certain simple eye treatments, as ordered by medical officers in wards of Naval hospitals. Demonstrates in detail the following treatments-examination of the ointment, irrigation of the eye and application of moist heat and cold to the eye by compresses.

#### EYES AND EARS OF THE MEDICAL WORLD, THE

90 min. 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1869-X  
Title No. 314525 Sale \$187.25

Describes Meniere's disease and positional vertigo of the benign paroxysmal as common types of vertigo of the inner ear. Explains that both are episodic and relatively easy to diagnose. Encourages diagnosis to avoid unnecessary and useless treatment. Discusses manifestations, diagnostic criteria, and therapy. Participants in the discussion include Doctors William H Baker, David G Cogan, Harold F Schuknecht, Shirley H Wray, and Earle M Chapman of the Harvard Medical School. (Kinescope)

#### EYES OF THE NORTH

21 min, 16mm film, optical sd, col 1968  
Producer USAF Agency No. SFP 1287  
Title No. 314740 Sale \$86.00

Portrays Arctic Mission of Air Defense Command and pictures its space detection and tracking facilities. Cites role of Canadian, Swedish and English personnel in North American Detection Operations. Demonstrates typical scramble to intercept unidentified aircraft.

CLEARED FOR TV.

#### FABRICATING METAL AIRCRAFT

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 288  
Title No. 315010 Sale \$29.50

Describes how sheet metal is used in aircraft fabrication, how to cut sheet metal, form and assemble sheet metal parts, and fit major assemblies together. From the AIRCRAFT WORK series. Metal Fabrication

#### FABRICATION OF PLUTONIUM DISKS

13 min, 16mm film, optical sd, b&w 1958  
Producer USAEC Agency No. 001676  
Title No. 001677 Sale \$37.00

Describes glove box work used at Los Alamos Scientific Laboratory in shaping toxic material for criticality studies in reactor development. Two methods of fabrication are shown-blanking the disks from sheet stock made by tube extrusion, and shaping disks by standard machining techniques. Explains that because of the pyrophoric nature of plutonium, a great deal of the work is done in an inert atmosphere.

#### FABRICATION OF RESEARCH REACTOR FUEL ELEMENTS

20 min, 16mm film, optical sd, col 1958  
Producer USAEC Agency No. 001677  
Title No. 001677 Sale \$100.50

Describes the alloy and powder metallurgy methods of fabricating research reactor fuel elements.

#### FABRICATION OF SNAP-7D FUEL SOURCES

12 min, 16mm film, optical sd, col 1964  
Producer USAEC Agency No. 001678  
Title No. 001678 Sale \$48.50

Describes the fabrication of strontium-90 fuel capsules for the snap-7d generator. Discusses the pelletizing and encapsulating operations in processing strontium-90 at the Fission Products Development Laboratory.

#### FABRICATION OF THE ACCELERATOR STRUCTURE

40 min, 16mm film, optical sd, col 1965  
Producer USAEC Agency No. 008435  
Title No. 008435 Sale \$133.75

Describes the methods used in the fabrication of the accelerating structure and associated components for the AEC's two-mile linear electron accelerator at Stanford University.

#### FACE MILLING WITH A FIXTURE

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 226  
Title No. 315090 Rental \$7.50 Sale \$28.50

Depicts how to determine speed and feed, establish reference surfaces, and make reference cut by end-milling a flange and by milling the face. From the MACHINE SHOP WORK series. Operations on the Horizontal Boring Mill, No. 2

#### FACE OF A NATION

28 min, 16mm film, optical sd, col 1967  
Producer USN Agency No. MN10228  
Title No. 000598 Sale \$94.50

Illustrates the role Navy men on attack carriers play in keeping the peace around the world.

#### FACE OF DISASTER, THE

10 min, 16mm film, optical sd, b&w 1965  
Producer USCDCD Agency No. DODCD20-239  
Title No. 315075 Sale \$17.50

Emphasizes the role of community welfare services in helping to meet emergencies. Highlights natural disasters—the great Alaskan quake of 1964, the floods of 1965, the devastation wrought on Palm Sunday when 37 tornadoes boomed through the middle west. Particularly useful to CD directors when making speeches or presentations.  
CLEARED FOR TV.

#### FACE PLANING UNEVEN SURFACES

13 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 304  
Title No. 315450 Sale \$23.75

Shows how to surface wide stock on one side, to use a pusher, to make and use a feather board and to use a backing block for facing thin stock.

From the PRECISION WOOD MACHINING series. Operations On the Jointer, No. 3  
Cleared for TV.

**FACE TURNING A COLLAR**

16 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 317  
Title No. 315500 Rental \$7.50 Sale \$28.50

Describes how to prepare a face plate chuck, how to attach work to face plate chuck, how to turn a fillet and how to taper turn a recess.

From the PRECISION WOOD MACHINES series. Operations On the Wood Lathe

**FACES OF AMERICA**

21 min, 16mm film, optical sd, col 1965  
Producer USIA Agency No. 01-02634  
Title No. 315590 Rental: W/DRAWN Sale: W/DRAWN

Depicts in a kaleidoscopic manner, colorful images of America which are representative of all facets of society in the United States. (No narration)

**FACING, TURNING, BORING, GROOVING AND CHAMFERING - ON A VERTICAL TURRET LATHE**

30 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 018  
Title No. 315750 Rental \$10.00 Sale \$53.50

Demonstrates facing, turning, boring, grooving and chamfering cuts on a vertical turret lathe with the simultaneous use of both heads, securing of work in a special fixture, precautions to be observed in machining magnesium alloys, and the use of a surface gauge.

**\*FACT FINDER**

15 min, 16mm film, optical sd, col 1973  
Producer USBC  
Title No. 002089 Sale \$56.50

Features the Census Bureau, the only agency of the government, which comes in contact with every person in the United States. It shows not only how the massive Census is taken every 10 years, but also the wide scope of work the Bureau does during the other 9 years - work which provides most of the statistics about how the people and the economy of a nation change on a weekly, monthly, quarterly, and annual basis.

**OTHER FORMAT(S) OR VERSION(S)**

29 min, 16mm film, optical sd, col 1973  
Producer USBC  
Title No. 001423 Sale \$115.50

**\*FACT FINDERS, THE**

31 min, 16mm film, optical sd, col 1967  
Producer USDA Agency No. 5345  
Title No. 315770 Sale \$133.00

Tells how farm statistics are gathered and used by voluntary reporting farmers. Shows national crop and livestock reports being prepared and released.

**FACTORY WORKER BECOMES FARMER**

24 min, 16mm film, optical sd, b&w 1949  
Producer USDS  
Title No. 316220 Rental \$10.00 Sale \$50.75

Story of a young U S factory worker and his wife who, through hard work, wise planning, and neighbors' aid, become the owners of a small chicken farm.

**FAIR CHANCE, A**

27 min, 16mm film, optical sd, b&w 1954  
Producer USIA  
Title No. 316525 Rental: W/DRAWN Sale: W/DRAWN

Depicts community action in protecting the welfare of American children through a dramatized story of the illness, recovery, and rehabilitation of a young rheumatic fever victim.

**FAIR WARNING**

28 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. T-2028-X  
Title No. 316530 Sale \$113.50

Provides information that will assist the health professional in

dealing with patients' smoking problems. Discusses the individual's motivation to smoke and motivation to stop smoking. Includes discussion of ways in which the health professional can intervene in smoking behavior and assist his patient to stop.

NOT CLEARED FOR TV.

**\*FALL GUYS, THE**

20 min, 16mm film, optical sd, col 1960  
Producer USBM  
Title No. 003558

Sale \$80.00

Different types of 'planned' falls, such as the parachutist, gymnast, and high diver, are contrasted with the 'unplanned' falls of men working in the underground copper mines.

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**\*FALLOUT AND AGRICULTURE**

23 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 1484  
Title No. 004151 Sale \$100.00

Discusses radioactive fallout and its diffusion through the atmosphere, resulting in the exposure of men and animals to radiation and the contamination of agricultural commodities. Considers ways to protect against radiation and minimize contamination of crops.

**FALLOUT PROTECTION FOR HOSPITALS**

25 min, 16mm film, optical sd, col 1962  
Producer USNMAC Agency No. M-0588  
Title No. 317300 Sale \$84.75

Based on a report of hospital design studies, illustrates graphically recommended methods for providing protection to personnel, patients, and vital functional components of a 150-bed hospital, from the effects of a gamma radiation from the fallout of a nuclear explosion.

**\*FAMILIAL CIRCUMSCRIBED ERYTHROKERATODERMA**

11 min, 16mm film, optical sd, col 1965  
Producer IDCE  
Title No. 004555 Sale: W/DRAWN

Drs Edwin Sidi, Jacqueline Bourgeois Spinasse, and Jean Arquette describe the case of a unique skin condition erythrokeratodermia familiaris circumscripta. Afflicting a 13-year-old girl and her 15-year-old brother.

**FAMILY DOCTOR, PSYCHIATRIST, AND DEPRESSED PATIENT**

40 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1834-X  
Title No. 317790 Sale \$75.50

Follows a patient through a visit with her family doctor and subsequent consultation with a psychiatrist. Discusses depression, presenting therapeutic guidelines, important symptoms, and clues in masked depressions. Stresses the role of the family doctor in handling some types of depression. By Philip Solomon, MD, Harvard Medical School, and William Taggart, MD, Chairman, Educational Academy of General Practice. (Kinescope)

**\*FAMILY FOREST, THE**

12 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 3170  
Title No. 003941 Sale \$58.00

A documentary of the ceremonies honoring the first privately owned woodland in the nation to be officially designated a 'Family Forest.' The goodmanagement procedures used in this Maryland farm woodland have resulted in profit for the owners and helped the economy of the state and nation by conserving natural resources.

**FAMILY OF MAN, THE**

20 min, 16mm film, optical sd, b&w 1955  
Producer USIA Agency No. 01-04136  
Title No. 318430 Rental: W/DRAWN Sale: W/DRAWN

Shows Edward Steichen and his photographic exhibit 'The Family of Man.' Steichen explains that the purpose of the

exhibit is to show the universal oneness and goodness of mankind.

#### FAMILY, THE

20 min, 16mm film, optical sd, b&w 1952  
Producer USIA  
Title No. 318725 Rental: W/DRAWN Sale: W/DRAWN  
Presents a true-to-life family situation that calls for understanding and a willingness to work and share.

#### FAMOUS THIRD ARMY, THE

22 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. CMF045-7705  
Title No. 318790 Sale \$38.50  
Provides a historical review of the advance of the U S Third Army across France and into Germany during World War II.

#### FARM FRESH TO YOU

14 min, 16mm film, optical sd, col 1966  
Producer USAEC  
Title No. 001679 Sale \$57.00  
Describes the preservation of fresh fruits and vegetables by radiation pasteurization, presenting evidence that spoilage can be reduced through the use of nuclear energy. Explains the process of exposing foods to the energy of the atom, using animation to show what happens during exposure.

#### FARMER AND I, THE

22 min, 16mm film, optical sd, col 1963  
Producer USIA Agency No. 01-02592  
Title No. 319375 Rental: W/DRAWN Sale: W/DRAWN  
Illustrates the long hours and hard work of the average U S farmer by showing the dawn-to-nightfall life of an Ohio farm family. Points out the dependence of farmers upon whims of nature, the market, and consumer desires. Designed to show similarities between European and U S farming experiences.

#### \*FARMER COOPERATION IN EUROPE

28 min, 16mm film, optical sd, b&w 1954  
Producer USDA Agency No. 1219-2  
Title No. 003942 Sale \$68.00  
Describes and explains the position of the independent farmer in Europe's developing economics. Shows and describes the European farmer cooperatives, their development, growth, desirability and stabilizing effects on the agricultural economics of many countries and their methods of operating.

#### \*FARMER FOR THE WORLD

29 min, 16mm film, optical sd, col 1968  
Producer USDA Agency No. 5653  
Title No. 003943 Sale \$141.00  
Informs today's export growth in American agriculture. Shows how the people in Germany, Japan, Spain and India use our farm products for better living around the world.

#### FAST REACTOR DEVELOPMENT

17 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 001680 Sale \$58.50  
Reports on sodium-cooled fast breeder reactors. Discusses the design features of the experimental breeder reactor II and the Enrico Fermi Atomic Power Plant. Describes the potential of fast breeder reactors in the nuclear power economy. includes a brief history of the experimental breeder reactor I.

#### FAST REACTOR PROGRAM

36 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001681 Sale \$150.00  
Presents an abstract of the major features of the fast reactor program in the areas of reactor performance, safety and reliability, system components, and fuel-cycle development.

#### FAT ABSORPTION - INTRACELLULAR EVENTS, DISORDERS

20 2x2 slides, 1/4 in. audiotape, col 1969  
Producer USNMAC Agency No. S-1729-X  
Title No. 001683 Sale \$7.00  
Discusses the main intracellular steps in fat absorption, penetration of lipolysis products, synthesis of glycerides and phospholipids, and release of chylomicrons.

From the **FAT ABSORPTION IN HEALTH AND DISEASE** series.

#### FAT ABSORPTION IN HEALTH AND DISEASE - A SERIES

212 2x2 slides, 1/4 in. audiotape, col  
Producer USNMAC  
Title No. 001682 Sale \$55.00

#### FAT DIGESTION - LIPOLYSIS AND MICELLE FORMATION, DISORDERS

27 2x2 slides, 1/4 in. audiotape, col 1969  
Producer USNMAC Agency No. S-1728-X  
Title No. 001684 Sale \$9.00  
Outlines theoretical principles of chemical events in lipolysis, physical properties of cholesterol to bile acids, amphiphatic nature of the bile acid molecule, micelle formation, micellar solubilization.

From the **FAT ABSORPTION IN HEALTH AND DISEASE** series.

#### FEAST, THE

29 min, 16mm film, optical sd, col 1970  
Producer USAEC  
Title No. 320860 Rental \$12.50 Sale \$75.00  
Shows how an alliance is formed between hostile Yanomamo Indian villages through feasting, trading, dancing, and chanting. Recounts in detail the feast and its preparation by using only sights and sounds of the events and occasional superimposed translations of the authentic recorded dialogue. Made by Timothy Asch and Napoleon Chagnon with the support of the Atomic Energy Commission.

#### FEED BACK

35 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-508  
Title No. 321325 Sale \$72.50  
Discusses the effects of regenerative and degenerative feedback on amplifier circuits. Lists three common methods of obtaining degenerative feedback, and shows input and output signals. Defines neutralization and discusses methods used to neutralize. (Kinescope)

#### FEEDING THE PATIENT

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 404  
Title No. 321390 Rental \$7.50 Sale \$27.00  
Presents factors which affect appetite and digestion, shows preparation of the environment and the patient for the meal, shows proper balance of food and arrangement of the tray, shows individualized feeding care, and describes after-care of the patient.  
From the **NURSING** series.

#### \*FEMORAL TRIANGLE

109 2x2 slides, 1/4 in. audiotape, col 1972  
Producer USNMAC Agency No. S-2516  
Title No. 002090 Sale \$17.00  
Provides the first-year medical student with small increments of information on anatomical-spatial relationships in a programmed manner. Questions after each portion test the student on key points, and confirmation slides are designed to reinforce these points. Includes instructor's script and student's script.

#### \*FEMORAL TRIANGLE (REVIEW VERSION)

109 2x2 slides, 1/4 in. audiotape, col 1972  
Producer USNMAC Agency No. S-2517  
Title No. 006404 Sale \$11.00  
Presents a short review of the detailed information presented in the Femoral Triangle. Includes student's script.

#### FIBERSCOPE ENDOSCOPY OF THE UPPER DIGESTIVE TRACT

14 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1164  
Title No. 322478 Sale \$48.50  
Shows how the fiberscope is used in an endoscopic examination of the stomach and duodenal cap and explains and demonstrates the principles of fiber optics.

#### FIBRINOLYTIC MECHANISM AND TEST OF FIBRINOLYTIC FUNCTION, THE

27 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1696  
Title No. 322475 Sale: W/DRAWN  
Presents pharmacology and physiology of hemostasis as well as laboratory tests for fibrinolytic function. Points up normal fibrinolytic mechanism, then discusses health effect resulting when normal function is disturbed. (Kinescope)

#### FIELD BURNOUT TESTS OF APARTMENT DWELLING UNITS

21 min, 16mm film, optical sd, col 1970  
Producer USNBS  
Title No. 322570 Sale \$71.50  
Reports on three burnout tests in an experimental housing unit built for evaluating construction methods, sound transmission, and fire safety. Suitable for building code officials, fire inspectors, architects, and high school and college students.

#### FIELD RECOGNITION OF DOMESTIC RAT SIGNS

8 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1574  
Title No. 322580 Sale \$26.00  
Explains where to look for and recognize rat signs and how inspectors in the field can identify the various species of rodents by the size and shape of their droppings.

#### FIELD RECOGNITION OF MOSQUITO LARVAE

6 min, 16mm film, silent, col 1968  
Producer USNMAC Agency No. M-1272  
Title No. 322590 Sale \$21.25  
A short, silent color motion picture with 15 short sequences of Aedes Aegypti and Culex larvae in motion.

#### FIFTH FUEL, THE

22 min, 16mm film, optical sd, col 1967  
Producer USAEC  
Title No. 000599 Sale \$80.25  
Describes the fuel uranium and how it has become a useful source of energy. Explains the steps involved in preparing enriched uranium, from the mining operation through the exacting chemical and metallurgical processes, to the extrusion of precisely structured fuel elements. Points out how such fuel cores are used to transmute uranium-238 into plutonium at production reactor sites.

#### FIFTH GRADE GEOGRAPHY

10 min, 16mm film, optical sd, b&w 1966  
Producer USOE Agency No. OE 507  
Title No. 322990 Rental \$5.00 Sale \$17.50  
One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching fifth grade geography.  
From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.

#### FIFTY-FIFTY CHANCE, A

26 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1415  
Title No. 325275 Sale \$94.50  
A dramatic presentation showing a wife who has contracted tetanus and the resultant emotions and problems of her family. Motivates people to have themselves immunized.

#### FIGHT FOR THE SKY, THE

21 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. SFP 1563  
Title No. 331555 Sale \$37.00  
Documents heroism of American fighter pilots who flew escort missions over Germany during World War II. Footage of fierce air battle includes some captured German film.  
CLEARED FOR TV.

#### \*FIGHTING COAL MINE FIRES

31 min, 16mm film, optical sd, col 1963  
Producer USBM  
Title No. 003557 Sale \$126.75  
The nature of fire, its uses and control are explained - the

'fire triangle' is used to illustrate the basic elements or conditions necessary for combustion and the proper use of recommended fire extinguishers are demonstrated - both for surface and underground mine fires.

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#### FIGHTING FIRST, THE

15 min, 16mm film, optical sd, b&w 1947  
Producer USA Agency No. CMF045-1279  
Title No. 001685 Sale \$27.00  
Shows scenes of combat operations of the 1st Infantry Division in eight campaigns and three invasions--attacks and counter-attacks on foot and in trucks and assault boats.

#### FIGHTING LADY SPEAKS, A

9 min, 16mm film, optical sd, b&w 1950  
Producer USN Agency No. MN07283  
Title No. 323490 Sale \$15.75  
Dramatizes a typical day's activities of an aircraft carrier off the shores of Korea in 1950. Contains Combat scenes Navy planes, fighters and bombers, on missions over Korea.

#### \*FILARIASIS

21 min, 35mm filmstrip, 1/4 in. audiotape, col 1947  
Producer USNMAC Agency No. 5-038  
Title No. 002091 Sale \$10.00  
Reviews the life cycle of wuchereria bancrofti in human and mosquito hosts. Urges further etiologic study of bancroft's filariasis and discusses the diagnosis, treatment, and prevention of the disease.

#### FILARIASIS IN BRITISH GUIANA

16 min, 16mm film, optical sd, b&w 1963  
Producer USNMAC Agency No. M-0673  
Title No. 322735 Sale \$28.50  
Explains the filariasis problem in British Guiana and urges people to co-operate with the control program.

#### FILES AND FILING, PT IV

5 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07831D  
Title No. 323870 Sale \$9.25  
Shows a variety of metal-working files according to shape and tooth-pattern, and explains the care and use of files.

#### FILING

15 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN00159  
Title No. 323940 Sale \$27.00  
Describes the importance of files and filing in a machinist's work--shows filing techniques, and various types of files and file cuts.

#### FILING AN INTERNAL IRREGULAR SHAPE

27 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 240  
Title No. 323950 Rental \$10.00 Sale \$47.00  
Explains how to make file selection, set up a metal cutting band saw machine for filing, file a die, lay out a punch using a die as a template, file a punch, check the filing with a die and fine-finish file.  
From the MACHINE SHOP WORK series. Operations on the Metal Cutting Band Saw, No. 2

#### FILING AND INSTALLING CHOCKS

15 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 097  
Title No. 323960 Sale \$32.50  
Tells how chocks are used in machinery installation, measurements are made for preparing chocks, Prussian blue and chalk are used for adjusting chocks, and how foundations and chocks are drilled for bolting machine.  
From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 3

**FILING TEMPLATE METAL**

15 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 129  
**Title No. 323990** Rental \$7.50 Sale \$27.00  
 Indicates how to file a square edge and remove burrs, rotate the wrist for filing inside curves, file inside rectangle, and remove fillets from corners.  
 From the AIRCRAFT WORK series. Templates, No. 5

**FILLING THE ROOT CANAL**

13 min, 16mm film, optical sd, col  
**Producer USVA** Agency No. D-16-E  
**Title No. 000600** Sale: W/DRAWN  
 Emphasizes the precision required for complete obliteration of the root canal lest it continue to be a source of periapical irritation. Describes the aseptic precautions to be taken in strict bacterial cultural control.

**FILM PROCESSOR, EH-38 - MAINTENANCE**

25 min, 16mm film, optical sd, col 1966  
**Producer USN** Agency No. MN 10302B  
**Title No. 001686** Sale \$84.75  
 Demonstrates maintenance procedures for the Kodak Versamat Processor eh-38. Shows proper maintenance methods, parts removal procedures and lubrication points.

**FILM PROCESSOR, EH-38 - OPERATION AND MAINTENANCE**

22 min, 16mm film, optical sd, col 1966  
**Producer USN** Agency No. MN 10302A  
**Title No. 001687** Sale \$74.75  
 Describes proper methods to be used in operation, cleaning, and preventive maintenance for the processor.

**FILM PROCESSOR, EH-38 - QUALITY CONTROL**

18 min, 16mm film, optical sd, col 1966  
**Producer USN** Agency No. MN 10302C  
**Title No. 001688** Sale \$61.75  
 Designed to familiarize the operator with quality control, all necessary steps, and proper methods.

**FILM SYMPOSIUM OF STRESS URINARY INCONTINENCE, A**

61 min, 16mm film, optical sd, col  
**Producer USNMAC** Agency No. M-2015  
**Title No. 324500** Sale \$201.75  
 Presents a one-hour film symposium composed of six motion pictures treating various surgical techniques for the correction of stress urinary incontinence in the female bladder neck.  
 From the AUTOPSY DISSECTION TECHNIQUE -- A Cinematographic Atlas Series.

**\*FILM TACTICS**

22 min, 16mm film, optical sd, b&w 1945  
**Producer USN** Agency No. MN 3731  
**Title No. 000637** Sale \$49.75  
 Emphasizes through dramatized episodes how training films should and should not be used by Navy instructors and demonstrates the results of good and poor teaching.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

**FILTERS AND POWER SUPPLIES**

20 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK-30-301A  
**Title No. 324518** Sale \$42.50  
 Explains use of filters in power supplies. Identifies L type choke and capacitor input filters and traces the charge and discharge paths within the filter networks. States the effect of the L type filter on output voltage and regulation. (Kinescope)

**FILTERS AND POWER SUPPLIES - PI TYPE FILTERS**

27 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-301B  
**Title No. 324522** Sale \$56.50  
 Identifies 'pi' type filters. Shows the components, their relationship for LC and RC 'pi' type filters, and explains their purpose. Traces the charge and discharge paths of both RC and LC 'pi' filters and gives the advantages and disadvantages of each. (Kinescope)

**FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 1**

27 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TV 30-300A  
**Title No. 324519** Sale \$56.50  
 Defines a filter and demonstrates rectifier action on an oscilloscope. Illustrates the waveshape of a rectifier containing both AC and DC. Demonstrates how a filter removes voltage variation and smooths it out by use of capacitors and inductors. Shows and explains the schematic of a capacitance filter and its operation and traces the current flow through the circuit. Discusses charge and discharge time of filter capacitors. Gives the schematic of an inductor used as a filter, and explains its action. (Kinescope)

**FILTERS AND POWER SUPPLIES - FILTER ACTION, PT 2**

18 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-300B  
**Title No. 324520** Sale \$38.50  
 Shows the relationship of long and short time constants on filter operation. Defines RC time constants and explains the effect of varying the resistance or capacitance on the time constant. Discusses the effect of the time constant on the output voltage and ripple frequency. (Kinescope)

**FILTERS AND POWER SUPPLIES - POWER SUPPLY TROUBLESHOOTING**

26 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-304  
**Title No. 324521** Sale \$54.75  
 Shows how to diagnose the troubles in a half-wave rectifier when the symptoms are given by using a schematic. Explains the effect on the output voltage, peak inverse voltage, ripple amplitude, and frequency when any component in the circuit is open or shorted. (Kinescope)

**FILTERS AND POWER SUPPLIES - VOLTAGE DOUBLERS**

36 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-307  
**Title No. 324523** Sale \$74.50  
 Explains why a voltage doubler is called a doubler, and why it doubles the input voltage. Shows a schematic diagram and discusses the operation of the doubler circuit. Traces the charge and discharge paths, and shows how to calculate the peak output voltage and the ripple frequency. Gives a number of symptoms and explains the possible causes. (Kinescope)

**FINAL GAME, THE**

49 min, 16mm film, optical sd, col 1967  
**Producer USIA** Agency No. 01-02675  
**Title No. 324575** Rental: W/DRAWN Sale: W/DRAWN  
 Shows the exciting championship game played by the Boston Celtics, internationally-known champions of professional basketball, against their challengers, the Cincinnati Royals. Uses slow motion, reverse motion and diagrams to demonstrate fundamental patterns of this sport which, though of U.S. origin, is gaining popularity throughout the world.

**FINAL MANDIBULAR IMPRESSIONS FOR COMPLETE DENTURES**

12 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. 1-6-CP  
**Title No. 324580** Sale \$41.50  
 The mandibular impression procedure covers the maximum bearing area while developing buccal and lingual flanges that provide border sealing without restricting the physiological activity of the adjacent structures. The resultant base constructed from impressions developed in this manner will exhibit excellent retention from both vertical and horizontal displacing forces.

**FINAL MAXILLARY IMPRESSIONS FOR COMPLETE DENTURES**

12 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-74-CP  
**Title No. 324585** Sale \$41.50  
 The procedures used to finalize the maxillary impression shown, includes the use and rationale of border moulding, development of functional reliefs and uniformity of contact

over the bearing areas. The use of fluid wax to obtain a physiological post-palatal seal is also demonstrated.

#### FINE GRINDING

15 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 183  
Title No. 325125 Rental \$7.50 Sale \$27.00  
Describes how to set up lenses in multiple spindle machine, adjust grinding machine for grinding concave or convex lenses, and wash and inspect lenses after grinding.  
From the OPTICAL CRAFTSMANSHIP series. Spherical Surfaces

#### FINE GRINDING AND POLISHING

32 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02449K  
Title No. 325130 Sale \$55.25  
Illustrates techniques of fine grinding and polishing flat surfaces, including setting the tools, blocking and deblocking, and scoring lathes to achieve different results in the finished product.

#### FINISHING MOLDED PARTS

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 474  
Title No. 325600 Rental \$7.50 Sale \$25.50  
Demonstrates how to trim the gate, drum-sand the cable hole and gate, retap metal inserts, remove flash from contours and sand, buff and polish the finished part.  
From the PLASTICS series. No. 9

#### \*FINNISH - BASIC COURSE

37 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004051 Sale \$120.25  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

#### OTHER FORMAT(S) OR VERSION(S)

69 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004052 Sale \$192.00  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

#### \*FINNISH - GRADED READER

14 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004053 Sale \$45.50  
Cassettes and accompanying text are both available for \$50.00.

#### OTHER FORMAT(S) OR VERSION(S)

28 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004054 Sale \$78.00  
Tape set and accompanying text are both available for \$82.50.

#### \*FINNISH - PRONUNCIATION AND READINGS

2 min, audiotape cassette, 2-track, monaural  
Producer USFSI  
Title No. 004055 Sale \$6.50  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

#### OTHER FORMAT(S) OR VERSION(S)

4 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004056 Sale \$11.25  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

#### FIRE - ARTILLERY ACTION IN KOREA

14 min, 16mm film, optical sd, b&w 1952  
Producer USA Agency No. MF06-7900  
Title No. 326989 Sale \$25.50  
Tells the story of the support given infantry troops in Korea

by an artilleryman and his 105-millimeter howitzer which he affectionately calls 'joe.'

#### \*FIRE CONTROL SIMULATOR

12 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 4559  
Title No. 003944 Sale \$55.00  
Explains the use of the simulator and the various advantages of its many uses. It is not intended to train instructors in how to use the simulator. The fire training simulator places trainees in a real-life situation in learning to fight forest fires.

#### \*FIRE FIGHTING IN THE MINERAL INDUSTRY

16 min, 16mm film, optical sd, col 1970  
Producer USBM  
Title No. 003556 Sale \$68.00  
Concerns techniques of fire fighting in mineral, noncoal mining, and related industries. Classifications of fires are shown, with instructions on proper use of various types of extinguishers. Other means of controlling fires--using foam, asphalt, and other chemical sealants to 'seal it off'--are also presented.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4000 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15219. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### FIRE FIGHTING IN THE NUCLEAR AGE

14 min, 16mm film, optical sd, col 1960  
Producer USAEC  
Title No. 326525 Sale \$92.25  
Emphasizes that radiation is just another hazard in fire fighting which can be handled with proper training--portrays techniques and procedures to be followed.

#### \*FIRE IN THE FOREST

23 min, 16mm film, optical sd, col 1951  
Producer USDA Agency No. 1093  
Title No. 326510 Sale \$105.00  
Shows how fuel, weather, and slope affect the behavior of forest fires.  
Cleared for TV.

#### FIRE LOSS MANAGEMENT, PT 2, COMPUTER INSTALLATIONS

20 min, 16mm film, optical sd, b&w 1968  
Producer USAEC  
Title No. 326626 Sale \$36.50  
AEC fire protection engineers discuss the problems of fire protection of automatic data processing installation.

#### \*FIRE PLOW PERFORMANCE AND USE

15 min, 16mm film, optical sd, col 1959  
Producer USDA Agency No. 1312  
Title No. 326695 Sale \$67.00  
Shows the advantages of mechanized fire line-building equipment over the use of hand tools. Demonstrates the types of plows evolved through experimentation and experience, as well as the modern transports available. The ways in which such equipment, when operated and managed by trained personnel, save timber stands and reduce suppression costs are stressed.

#### FIRE PREVENTION - KNOW YOUR FIRE HAZARDS

20 min, 16mm film, optical sd, col 1958  
Producer USN Agency No. MN08330B  
Title No. 326800 Sale \$82.00  
Describes the fire characteristics of certain materials used at work and their potential danger.

#### FIRE PREVENTION - THE NATURE OF FIRE

16 min, 16mm film, optical sd, col 1958  
Producer USN Agency No. MN08330A  
Title No. 326725 Sale \$66.00  
Uses animation to show that a fire has three essential elements--oxygen, temperature and fuel--and that a fire can be controlled by the elimination of any one of these elements.

**FIRE PREVENTION AND THE HOME**

25 min, 16mm film, optical sd, col  
 Producer USAF  
 Title No. 526700  
 Discusses individual responsibilities in observing fire safety in daily living. Illustrates such hazards as overloaded wiring and electric cords running under rugs. Outlines fire survival rules. Shows how carelessness and panic bring tragedy to a family.  
 Cleared for TV.

1968  
 Agency No. TF 6047  
 Sale \$101.75

**\* FIRE VS FIRE**

26 min, 16mm film, optical sd, col  
 Producer USDA  
 Title No. 003945  
 To assist fire-control managers in developing abilities to know when and why fire should be used in fire control and the technical requirements of using fire in this way. For Forest Service and cooperator personnel responsible for fire suppression, tactical decisions, and implementation.

1966  
 Agency No. 3394  
 Sale \$130.00

**\* FIRE WEATHER**

27 min, 16mm film, optical sd, col  
 Producer USDA  
 Title No. 003946  
 Gives foresters and other managers of fire-suppression crews a specific knowledge of weather elements and processes, important in planning fire-suppression strategy.

1  
 Agency No. 1.  
 Sale \$123.00

**FIREFIGHTING - SAFETY ABOARD TANKERS**

28 min, 16mm film, optical sd, col  
 Producer USCG  
 Title No. 326500  
 Provides valuable information for training tanker crews in the techniques and methods of handling equipment for firefighting aboard ship, at sea, or alongside a pier.

1961

Sale \$131.00

**FIREFIGHTING ABOARD TANKERS**

28 min, 16mm film, optical sd, col  
 Producer USCG  
 Title No. 327010  
 Rental \$12.50 Sale \$131.00  
 Depicts techniques and methods for fighting fires aboard ship, at sea, or alongside a pier. Contains firefighting demonstrations including proper use of various types of equipment. Gives methods of preventing fires and tells how to protect against reflash after a fire is extinguished. Describes use of chemicals, foam, and water.

1961

**FIRST AID FOR ALL HANDS**

13 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327475  
 Establishes the framework of six films by presenting a systematic approach to the examination of an injured person and by establishing the priority for various first aid treatment procedures.

1959  
 Agency No. MN08188A  
 Sale \$23.75

**FIRST AID FOR ALL HANDS - ASPHYXIA**

15 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327476  
 Shows how to recognize and treat asphyxia, and point out some precautions to observe in resuscitating asphyxiated persons. Demonstrates methods of applying artificial respiration, with emphasis upon the basic elements inherent in all methods.

1959  
 Agency No. MN08188B  
 Sale \$27.00

**FIRST AID FOR ALL HANDS - BLEEDING**

15 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327477  
 Shows how to recognize and treat injuries involving various kinds of bleeding. Includes examples of lifethreatening bleeding. Demonstrates in detail how and when to use the pressure dressing, elevation, or the tourniquet.

1959  
 Agency No. MN08188C  
 Sale \$27.00

**FIRST AID FOR ALL HANDS - BURNS**

12 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327478  
 Explains how to recognize the severity of a burn. Shows how

1959  
 Agency No. MN08188E  
 Sale \$22.25

to give first aid for a thermal or chemical burn. Demonstrates how to relieve pain, prevent shock, and prevent infection.

**FIRST AID FOR ALL HANDS - FRACTURES**

24 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 001689  
 Shows how to recognize and treat a fracture with emphasis upon fractures of the extremities, skull, spine, and pelvis.

1959  
 Agency No. MN 8188D  
 Sale \$42.25

**FIRST AID FOR ALL HANDS - HANDLING AND TRANSPORTING**

13 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327399  
 Outlines the principles for handling and transporting of injured persons.

1959  
 Agency No. MN08188F  
 Sale \$23.75

**FIRST AID FOR BLEEDING**

21 min, 16mm film, optical sd, col  
 Producer USN  
 Title No. 000601  
 Shows how to recognize the three types of bleeding--arterial, venous, and capillary--and how to treat each type.

1957  
 Agency No. MN08182  
 Sale \$71.50

**FIRST AID FOR BURNS**

23 min, 16mm film, optical sd, col  
 Producer USN  
 Title No. 327480  
 Explains the first aid treatment for burns--to relieve pain, to prevent or treat shock, and to prevent infection. Emphasizes the necessity for giving prompt and appropriate first aid care. Designed primarily for use with Navy hospital corpsmen.

1957  
 Agency No. MN08185  
 Sale \$78.25

**FIRST AID FOR FRACTURES - INTRODUCTION**

15 min, 16mm film, optical sd, col  
 Producer USN  
 Title No. 327500  
 Explains recognition and general first aid treatment of fractures, with emphasis on fractures of the extremities. Includes descriptions of the basic types of fractures--greenstick, impacted, and comminuted.

1955  
 Agency No. MN08184A  
 Sale \$51.75

**FIRST AID FOR FRACTURES - SKULL, SPINE, AND PELVIS**

13 min, 16mm film, optical sd, col  
 Producer USN  
 Title No. 327505  
 Explains the seriousness of fractures of the skull, spine, and pelvis. Through a series of simulated cases, aboard ship and in the field, depicts specific procedures for recognizing and treating each of these types of fractures.

1955  
 Agency No. MN08184B  
 Sale \$45.25

**FIRST AID FOR FRACTURES - THE THOMAS LEG SPLINT**

8 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327510  
 Demonstrates step-by-step how to apply a Thomas leg splint (half-ring) to immobilize any fracture of the thigh, knee, or leg.

1956  
 Agency No. MN08184E  
 Sale \$14.25

**FIRST AID FOR FRACTURES - THE TRIANGULAR ARM SPLINT**

6 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327515  
 Demonstrates step-by-step how to apply a triangular arm splint, and shows how it is employed in combination with a single padded basswood splint for fractures of the upper or lower arm.

1956  
 Agency No. MN08184C  
 Sale \$11.00

**FIRST AID FOR FRACTURES - THE UNIVERSAL LEG SPLINT**

5 min, 16mm film, optical sd, b&w  
 Producer USN  
 Title No. 327520  
 Demonstrates step-by-step how to apply a universal leg splint to fractures of the lower extremity.

1956  
 Agency No. MN08184D  
 Sale \$9.25

**FIRST AID FOR HEAT STROKE AND HEAT EXHAUSTION**

19 min, 16mm film, optical sd, col  
 Producer USN  
 Title No. 000602  
 Demonstrates how to recognize and treat heat stroke and

1957  
 Agency No. MN08186  
 Sale \$65.00

heat exhaustion cases. Designed primarily for use with Navy hospital corpsmen.

#### FIRST AID HANDLING AND TRANSPORTING OF THE INJURED

##### - INTRODUCTION

13 min, 16mm film, optical sd, b&w 1956  
Producer USN Agency No. MN08187A  
Title No. 327491 Sale \$23.75

Reviews the seven principles of proper handling and transporting casualties. Do not move before examining and treating, keep injured lying down, handle carefully, attach record, use three men to roll or lift, keep warm, and use stretcher for transport.

#### FIRST AID HANDLING AND TRANSPORTING OF THE INJURED

##### - LIFELINES, IMPROVISED STRETCHERS...

13 min, 16mm film, optical sd, b&w 1956  
Producer USN Agency No. MN08187C  
Title No. 327490 Sale \$23.75

FULL TITLE--FIRST AID HANDLING AND TRANSPORTING OF INJURED - LIFELINES, IMPROVISED STRETCHES, AND CARRIERS. Covers special techniques of handling and transporting the injured in emergency situations where standard stretchers are not available. Includes use of lifelines.

#### FIRST AID HANDLING AND TRANSPORTING OF THE INJURED

##### - MASTERING BASIC TECHNIQUES

27 min, 16mm film, optical sd, b&w 1956  
Producer USN Agency No. MN08187B  
Title No. 327492 Sale \$47.00

Reviews techniques for straightening a seriously injured casualty--rolling, lifting, transporting in the Army litter, and the use of the Stokes and Neil Robertson stretchers.

#### FIRST AID, PT 1, MAJOR WOUNDS AND FRACTURES

33 min, 16mm film, optical sd, col 1957  
Producer USA Agency No. TF08-2292  
Title No. 327730 Sale \$133.00

Describes treatment for wounds of the chest, belly, head and face--fractures of jaw, leg, elbow, arm, ribs neck and back.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### FIRST AID, PT 3, BURNS

14 min, 16mm film, optical sd, col 1960  
Producer USA Agency No. TF08-2588  
Title No. 327529 Sale \$48.50

Shows symptoms of 1st, 2nd, and 3rd degree burns. Demonstrates first aid for serious burns caused by flame, hot liquid, white phosphorus, acid, and alkali.

#### FIRST AID, PT 4, RESUSCITATION, MOUTH TO MOUTH, MOUTH TO NOSE

23 min, 16mm film, optical sd, col 1961  
Producer USA Agency No. TF08-3021  
Title No. 327530 Sale \$78.25

Compares mouth-to-mouth and mouth-to-nose resuscitation with other methods of artificial respiration. Demonstrates the application of mouth-to-mouth resuscitation, thumb jaw-lift, two hands jaw-lift and mouth-to-nose techniques.

#### FIRST CHEMICAL SEPARATION OF LAWRENCIUM

17 min, 16mm film, optical sd, col 1968  
Producer USAEC  
Title No. 001690 Sale \$118.00

Shows the preparation for the chemical separation of lawrencium, the rapid performance of the chemical separation before the radioactive lawrencium transmutes into another element. Presents a detailed description of the separation chemistry, as an explanation of the overall experiment and its significance, by the research chemist who first chemically separated lawrencium.

#### FIRST FORTY DAYS, THE

24 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. CMF45-7781  
Title No. 328045 Sale \$42.25

Presents the first 43 days of American combat in Korea, arrival of troops, unloading of supplies and equipment,

combat scenes of Generals Walker and Dean, arrival of replacements, combat scenes at Taejon, blowing up bridges, and establishing defense lines.

#### FIRST GRADE READING

10 min, 16mm film, optical sd, b&w 1966  
Producer USOE Agency No. OE 507  
Title No. 328050 Rental \$5.00 Sale \$17.50

One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching first grade reading.

From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.

#### FIRST GRADE READING (SPANISH)

10 min, 16mm film, optical sd, b&w 1966  
Producer USOE Agency No. OE 507  
Title No. 001706 Rental \$5.00 Sale \$17.50

One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching first grade reading.

From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.

#### FIRST IMPRESSIONS

21 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN01374  
Title No. 328065 Sale \$37.00

Emphasizes the importance of first impressions, and demonstrates step-by-step a technique of introducing a new employee to the job.

#### FIRST IMPRESSIONS (SPANISH)

21 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN01374  
Title No. 001707 Sale \$37.00

Emphasizes the importance of first impressions, and demonstrates step-by-step a technique of introducing a new employee to the job.

#### FIRST IN COMMAND - THE NAVY SKIPPER

29 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10414  
Title No. 328055 Sale \$117.50

Shows authority and responsibilities of the commanding officer of a Navy ship. The Captain's role on the bridge, in the wardroom, on the mess deck, at captain's mast and at general quarters on a destroyer leader guided missile, is described. Narrated by Richard Boone.

#### \*FIRST MINUTE, THE

18 min, 16mm film, optical sd, col 1967  
Producer USBM  
Title No. 003555 Sale \$75.75

The importance of taking quick action and applying first aid within the first minute after an accident has occurred is dramatized by an accident in the home, an auto accident, and a mining accident.

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#### FIRST REACTOR IN SPACE - SNAP-10A

15 min, 16mm film, optical sd, col 1965  
Producer USAEC Agency No. 0135  
Title No. 001691 Sale \$110.00

Describes the development of the SNAP-10a unit, the world's first nuclear power system to operate in space, its launch in 1965 by an Atlas-Agena vehicle, and the results of the experiment which was operated successfully for 43 days and produced more than 500,000 watt-hours of electricity.

#### FIRST SHORT STEP, THE

7 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 014  
Title No. 328525 Sale \$30.75

Shows the problems of moving the separate stages of the

Saturn V to the Kennedy Space Center. Various stages are shown being barged, airlifted and trucked to Florida with each method posing unusual problems requiring unusual solutions.

From the APOLLO DIGEST series.

#### FIRST SOFT STEP, THE

29 min, 16mm film, optical sd, b&w 1966  
Producer USNASA Agency No. HQK-SR1  
Title No. 328540 Sale \$57.00

Presents a detailed look at the overall mission accomplishments of the Surveyor Program to soft-land a picture-taking craft on the surface of the Moon. Introduces the viewer to the spacecraft and to top scientists involved in its flight. Concludes with photos sent back to Earth from Surveyor 1.  
Cleared for TV.

#### \*FIRST THINGS FIRST

29 min, 16mm film, optical sd, col 1959  
Producer USBM  
Title No. 003537 Sale \$119.50

Describes the derailment of the mantrip's accident in an underground coal mine. Two of the uninjured men, who have had first aid training, take charge and proceed to care for the injured men. Demonstrates the first aid principles in action.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINES ENFORCEMENT AND SAFETY ADMINISTRATION, 420 FIFTH AVENUE, PITTSBURGH, PENNSYLVANIA 15212. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### \*FIRST TUESDAY AFTER THE FIRST MONDAY, THE

18 min, 16mm film, optical sd, b&w 1967  
Producer USDOD Agency No. AFIF 0171  
Title No. 001692 Sale \$10.00

Traces the history and evolution of presidential voting in the United States from the election of George Washington. Depicts the creation of the two-party system, the caucus, absentee ballot and women's voting rights. Shows how cross-country campaigning has grown from whistle stops and motor cavalcades to modern air travel and television debates. Stresses the importance of every eligible person exercising the right to vote.

#### \*FIRST WORLD FESTIVAL OF NEGRO ARTS

40 min, 16mm film, optical sd, b&w 1967  
Producer USIA Agency No. 51-00523  
Title No. 328585 Rental: W/DRAWN Sale: W/DRAWN

Presents Dakar's 24-day Festival of Negro Arts which pointed up the Negro contribution to the cultural heritage of mankind. Depicts performances of African and American entertainers, and displays of art works.

#### FITTING AND INSTALLING A SECTION OF PIPE ABOARD SHIP

20 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02337D  
Title No. 330075 Sale \$35.25

Tells how to apply flanges, insert bolts, install pipe hangers, weld a fitted template, apply same principles to wooden and mechanical templates, and set up and install female template aboard ship.

#### FITTING AND SCRAPING SMALL BEARINGS

24 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 036  
Title No. 330100 Rental \$10.00 Sale \$42.25

Shows how to scrape split bearings for shaft fit and alignment, how to 'relieve' a split bearing to aid lubrication and how to cut oil grooves in the cap of a split bearing.

From the MACHINE SHOP WORK series. Bench Work, No. 3

#### FITTING TUBE, SHAFT, AND PROPELLER

29 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 342  
Title No. 330145 Rental \$10.00 Sale \$50.25

Describes how the stern tube and tail shaft are installed, how the propeller is swung into position and lined up, how the fairwater cap and rope guard are installed, and how the tail-shaft assembly is secured for launching.

From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 9

#### FIVE DAYS OF BETSY, THE

12 min, 16mm film, optical sd, b&w 1966  
Producer USOCD Agency No. DODCD20  
Title No. 031693 Sale \$21.75

Shows the havoc wrought by Hurricane Betsy as it hit the Florida and Louisiana mainlands, and of the efforts of civil defense, the military services, and government and private welfare agencies in assisting the people during this disaster.

#### FIXED GAGES

17 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 003  
Title No. 330700 Rental \$7.50 Sale \$30.50

Presents types and uses of gages for precision measurement. Snap, ring, plug, taper plug, taper right, flush pin and screw plug gages.

From the MACHINE SHOP WORK series.

#### FIXED WING PRIMARY FLIGHT TRAINING, PT 7, DIRECTIONAL CONTROL

14 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF46-3271  
Title No. 330781 Sale \$25.50

Shows use of aircraft instruments in controlling the direction in the roll out.

#### FLEET THAT CAME TO STAY, THE

22 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN05802  
Title No. 323480 Sale \$36.50

Explains the invasion of Okinawa from the U S Navy point of view and illustrates the operation by scenes of the combat.

#### FLEXION EXERCISES IN THE MANAGEMENT OF LOW BACK MECHANICAL DISORDERS

39 min., 16mm film, optical sd, col 1956  
Producer USVA Agency No. MN05802  
Title No. 333495 Sale \$130.50

Reviews various treatments for low-back mechanical disorders. Describes use of a set of flexion exercises for patients with herniated or bulging discs, spur formations on vertebrae, spondylolisthesis, postural backache, several congenital anomalies, and in postoperative care. Emphasizes that flexion exercises are a contribution to the total knowledge of low-back mechanical disorders rather than a definitive treatment.

#### FLIGHT LINE SAFETY

20 min, 16mm film, optical sd, col 1962  
Producer USA Agency No. TF46-3105  
Title No. 331580 Sale \$68.25

Teaches Army aircraft mechanics the rules and procedures to prevent accidents when performing maintenance tasks in the service areas.

#### FLIGHT OF APOLLO 07, THE

14 min, 16mm film, optical sd, col 1965  
Producer USNASA Agency No. HQ 187  
Title No. 331590 Sale \$62.00

Shows the first manned mission in the U S Apollo Manned Lunar Landing Program. Shows three astronauts living and working aboard the Apollo Command Module during the 11-day flight.

#### FLIGHT OF EAGLE AND COLUMBIA

7 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 187  
Title No. 331675 Sale \$36.50

Shows man's first Moon landing, July 1969, including highlights of the flight of Astronauts Armstrong, Aldrin, and Collins from launching through post-recovery activities, with emphasis on initial exploration of the lunar surface.

#### \*FLIGHT OF FAITH 07, THE

28 min, 16mm film, optical sd, col 1963  
Producer USNASA Agency No. HQA 101  
Title No. 000605 Sale \$117.25

Shows Astronaut Gordon Cooper's Project Mercury flight in

\* INDICATES NEW ENTRY

1963 as documented from the pre-flight training through launch and recovery. Tells the story of the final flight in the Mercury Program series.

#### \*FLIGHT OF GEMINI 6

13 min, 16mm film, optical sd, col  
Producer USIA Agency No. 01-02663  
Title No. 004534 Rental: W/DRAWN Sale: W/DRAWN  
Chronicles the 62-orbit space flight of Edward White and James MC Divitt, June, 1965. Includes Titan II Rocket, countdown and liftoff, White's 20-minute space walk, re-entry, recovery at sea and congratulations by president Johnson at Houston, Texas.

#### FLIGHT OF GEMINI 6

24 min, 16mm film, optical sd, b&w  
Producer USIA Agency No. 04-02533  
Title No. 004535 Rental: W/DRAWN Sale: W/DRAWN  
Explains the purpose of the Gemini flight and shows the launch, rendezvous, emergency splash-down and recovery of Astronauts Armstrong and Scott. Includes animation, film and VTR coverage, and footage taken by the on-board camera.

#### FLIGHT SERVICE STATION, THE

30 min, 16mm film, optical sd, col 1969  
Producer USFAA Agency No. FA-0901  
Title No. 331875 Sale \$101.00  
Shows what FAA flight service stations do to make flight safer, and a lot easier.

#### FLIGHT THROUGH INSTRUMENTS - BASIC INSTRUMENT FLYING

24 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN06773A  
Title No. 331881 Sale \$42.25  
Shows a pilot how to use the instrument panel as a lens or window through which he 'sees' the airplane in its relation to the three dimensions in which it travels. Illustrates the instruments that are now standard equipment in modern planes and explains how to use them.

#### FLIGHT TO THE SOUTH POLE

29 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10489  
Title No. 331890 Sale \$117.50  
Shows the challenge of Antarctic flying, from Rear Admiral Byrd's first polar flight to Operation Deepfreeze. Includes scenes of C-130 Hercules Aircraft operations in the Antarctic.

#### FLIGHT TO TOMORROW

28 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQ 168  
Title No. 331720 Sale \$107.25  
Shows some of NASA's advanced aeronautical research to improve the aircraft of tomorrow.

#### FLIGHT TRAINING - BEFORE YOU FLY

14 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398A  
Title No. 331896 Sale \$25.50  
Shows the basic pilot pre-flight using the SNJ-6 trainer. stresses the pattern to be used by pilots in inspecting their aircraft prior to flying. Demonstrates how to leave the line, taxi, and return to the line, and how to start and stop the engine.

#### FLIGHT TRAINING - CROSSWIND APPROACHES, LANDINGS AND TAKE-OFFS

8 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398C  
Title No. 331898 Sale \$14.25  
Explains principles of crosswind crabbing, and landing techniques.

#### FLIGHT TRAINING - EMERGENCIES

9 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398D  
Title No. 331899 Sale \$15.75  
Illustrates high altitude and low altitude emergency procedures as taught in the SNJ-6 basic trainer.

#### FLIGHT TRAINING - FUNDAMENTALS OF FORMATION FLYING, THREE PLANE AND FOUR PLANE

25 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398I  
Title No. 331904 Sale \$43.75  
Explains to the student naval aviator the basic fundamentals of formation flying. Shows formation maneuvers in plane photography, animation, and student's eye view sequences starting with rendezvous through break-up. Based upon three-and four-plane sections using SNJ-6 aircraft.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### FLIGHT TRAINING - SMALL FIELDS

11 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398E  
Title No. 331900 Sale \$19.25  
Demonstrates the small field pattern, emphasizing the No. 1 and No. 2 positions and approaches from these positions, and shows the effect of wind and the importance of cross-wind gliding.

#### FLIGHT TRAINING - TAKE-OFFS, APPROACHES, AND LANDINGS

14 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398B  
Title No. 331897 Sale \$25.50  
Demonstrates basic approach, landing, and take-off techniques to student aviators.

#### FLIGHT TRAINING - THE BARREL ROLL

9 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398H  
Title No. 331903 Sale \$18.75  
Explains to student pilots the overall pattern and positions of the SNJ aircraft in the barrel roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45 degree position, inverted position, and recovery.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### FLIGHT TRAINING - THE WINGOVER ROLL

11 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398G  
Title No. 331902 Sale \$23.75  
Explains to student pilots the overall pattern and positions of the SNJ aircraft in the wingover roll. Shows specific relationships of the plane to ground check points during clearing turns, initial starting point, 45 degree position, 90 degree inverted position, and recovery.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### FLIGHT TRAINING - WINGOVERS AND CHANDELLES

13 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07398F  
Title No. 331901 Sale \$23.75  
Shows the performance of wingovers and chandelles, stressing the reasons for these maneuvers and how a student can learn to coordinate controls through practicing these maneuvers.

#### FLIGHT WITHOUT WINGS

14 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 175  
Title No. 331910 Sale \$64.25  
Traces the development of wingless aero-space craft which can be launched by rockets for space shuttle use in returning men to predetermined landing sites on Earth. Describes in non-technical terms the aerodynamic characteristics of these lifting bodies and potential uses of them.

#### FLOATING DRYDOCKS - CAREENING THE YFD-8

17 min, 16mm film, optical sd, b&w 1946  
Producer USN Agency No. MN09042  
Title No. 000606 O/PRINT  
Shows the method of tipping an 18,000 ton yard floating dock on its beam to provide passage through the Panama Canal, and explains the need for this type of careening where docks have a wider beam than the width of the canal.

**FLOATING FORTRESS**

14 min. 16mm film, optical sd, b&w 1952  
 Producer USN Agency No. MN07834  
 Title No. 332077 Sale \$25.50  
 Portrays a day's activities aboard a U S battleship off the coast of Korea, including bombardment of enemy positions along the shore, and living conditions and habits of officers and crew.

**FLOCCULATION TEST FOR PARASITIC DISEASE**

7 min. 16mm film, optical sd, col 1966  
 Producer USNMAC Agency No. M-0857  
 Title No. 000607 Sale \$24.50  
 Demonstrates a rapid technique for detecting certain parasitic diseases. Employs flocculating bentonite particles.

**FLOW PROCESS CHART AND HOW TO USE IT, THE**

15 min. 16mm film, optical sd, col 1945  
 Producer USOSRD  
 Title No. 332450 Rental \$10.00 Sale \$51.75  
 Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.

**FLOW PROCESS CHART AND HOW TO USE IT, THE (SPANISH)**

15 min. 16mm film, optical sd, col 1945  
 Producer USOSRD  
 Title No. 001708 Rental \$10.00 Sale \$51.75  
 Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.

**FLOWERS OF DARKNESS**

22 min. 16mm film, optical sd, col 1969  
 Producer USNIMH  
 Title No. 333080 Rental: W/DRAWN Sale: W/DRAWN  
 Traces the history of opium to the present-day usage of heroin, the most destructive and highest-priced commodity in the world. Examines Asian usage, looks at the methods and procedures of organized crime trafficking the drug to U S, and portrays its toll on the streets of America. Addicts in this country talk about their compulsion for drugs and experts describe methods of combatting the problem. Narrated by Paul Newman.  
 From the DISTANT DRUMMER series.

**FLUE GAS ANALYSIS - ORSAT APPARATUS**

19 min. 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 367  
 Title No. 333150 Rental \$7.50 Sale \$33.75  
 Shows how to set up the Orsat gas analyzer, collect an air-free sample of flue gas, absorb and measure the amounts of carbon dioxide, oxygen and carbon monoxide in the sample and calculate the amount of nitrogen.

**FLUID COUPLING, THE - PRINCIPLES OF OPERATION**

13 min. 16mm film, optical sd, b&w 1954  
 Producer USA Agency No. TF09-1953  
 Title No. 001694 Sale \$32.75  
 Explains the fluid coupling, its components parts, and operation.

**FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE, PT 1, PREPARATION OF...**

13 min. 16mm film, optical sd, col 1966  
 Producer USNMAC Agency No. M-1349  
 Title No. 001695 Sale \$45.25

**FULL TITLE--FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE, PT 1, - PREPARATION OF REAGENTS AND STANDARDS.** Demonstrates formulations and techniques of preparing the reagents used in the fluorometric determination of phenylalanine.

**FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE (SHORT METHOD), PT 1**

13 min. 16mm film, optical sd, col 1966  
 Producer USNMAC Agency No. M-1417A  
 Title No. 000608 Sale \$45.25  
 Shows how reagents are prepared for rapid measurement of phenylalanine levels in blood serum, using a fluorometer.

**FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE (SHORT METHOD), PT 2**

18 min. 16mm film, optical sd, col 1968  
 Producer USNMAC Agency No. M-1417B  
 Title No. 000609 Sale \$53.50  
 Demonstrates the procedure for rapid measurement of phenylalanine levels in blood serum, using a fluorometer.

**FLUOROMETRIC DETERMINATION OF SERUM PHENYLALANINE, PT 2, PROCEDURE**

18 min. 16mm film, optical sd, col 1967  
 Producer USNMAC Agency No. M-1350  
 Title No. 000610 Sale \$61.75  
 Demonstrates the treatment of serum samples, use of reagents and water baths to produce maximum fluorescence intensity. Shows how to set up the fluorometer and how to adjust and read it.

**FLUOROMETRIC DETERMINATION OF SERUM TYROSINE, PT 1, PREPARATION OF REAGENTS**

10 min. 16mm film, optical sd, col 1966  
 Producer USNMAC Agency No. M-1400  
 Title No. 333520 Sale \$34.00  
 Demonstrates formulations and techniques of preparing reagents used in the fluorometry of tyrosine.

**FLUOROMETRIC DETERMINATION OF SERUM TYROSINE, PT 2, PROCEDURE**

10 min. 16mm film, optical sd, col 1967  
 Producer USNMAC Agency No. M-1401  
 Title No. 333521 Sale \$34.00  
 Shows treatment of serum samples and methods of developing maximum fluorescence density. Demonstrates use of fluorometer and how to plot final readings.

**FLY CONTROL THROUGH BASIC SANITATION**

9 min. 16mm film, optical sd, col 1950  
 Producer USNMAC Agency No. 04-00090  
 Title No. 334150 Sale \$31.00  
 Shows conditions which favor fly breeding in a community-filth, warmth, moisture, and time for development. Outlines specific procedures in urban and rural areas for basic sanitation programs, particularly the elimination of open garbage and refuse dumps.

**FLY CONTROL THROUGH BASIC SANITATION (FRENCH)**

9 min. 16mm film, optical sd, col 1950  
 Producer USPHS Agency No. M-1140-FR  
 Title No. 334151 Sale \$31.00  
 Shows conditions which favor fly breeding in a community-filth, warmth, moisture and time for development. Outlines specific procedures in urban and rural areas for basic sanitation programs, particularly the elimination of open garbage and refuse dumps.

From the COMMUNITY FLY CONTROL series.

**FLY DENSITY SURVEYS BY THE GRILL METHOD**

6 min. 16mm film, optical sd, col 1949  
 Producer USNMAC Agency No. 04-00086  
 Title No. 334160 Sale \$21.25  
 Explains the nature, construction, and use of the fly grill for measuring fly density.

**FLYING CLUBS**

20 min. 16mm film, optical sd, col 1969  
 Producer USFAA Agency No. FA-0705  
 Title No. 334375 Sale \$74.75  
 Describes the advantages in belonging to a flying club. Emphasizes safety factors to be considered in organizing flying clubs, enlisting new members, purchasing and leasing equipment, establishing good relations with a fixed base operator and other important matters affecting safe, efficient, and economical operations.

**FLYING IN A PRESSURE CABIN**

20 min, 16mm film, optical sd, col 1954  
 Producer USN Agency No. MN09315  
 Title No. 334380 Sale \$68.25  
 Presents instructions concerning the proper operation of aircraft pressurization and air conditioning systems and emergency procedures to be followed in the event of a loss of cabin pressure.

**FLYING SOLDIERS**

30 min, 16mm film, optical sd, b&w 1958  
 Producer USA Agency No. MF46-8998  
 Title No. 000611 Sale \$52.00  
 Explains the purpose and application of the new concept of Army tactical mobility through Army aviation.

**\*FLYING THE WEATHER MAP**

27 min, 16mm film, optical sd, col 1944  
 Producer USN Agency No. MN00119H  
 Title No. 001696 Rental \$12.50  
 Shows observers determining weather conditions. Illustrates the features of a weather map and shows various fronts represented by colored lines. Explains symbols indicating precipitation areas, thunderstorms, rain showers, air masses, and pressure areas.  
 From the AEROLOGY series.

**\*FLYING THE WEATHER MAP - THE EQUATORIAL FRONT**

12 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN03112C  
 Title No. 001697 Rental \$7.50  
 Discusses the equatorial weather front--the area it covers, how it is caused, how the clouds look, where and when it changes (seasonally, daily, hourly) and how to calculate changes. Explains how to fly the equatorial front. Points out that up-to-date information about the equatorial front depends on data which pilots bring back from trips.

**\*FLYING THE WEATHER MAP - WEATHER FOR THE NAVIGATOR**

9 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN03112A  
 Title No. 001698 Rental \$7.50  
 Illustrates the assistance rendered to navigators by the radio which has made each navigator a member of a vast network of observers, each sending his own limited observations to professional forecasters at weather centrals.

**FOLLOW UP, THE**

13 min, 16mm film, optical sd, col 1967  
 Producer USSBA  
 Title No. 335459 Rental \$10.00 Sale \$54.50  
 Illustrates the value of following up on advertisements and promotions, such as--radio commercials, soliciting customers' reactions to store layouts and point-of-sale ads, and getting business associates' opinions of ads used or planned to bring out many of the factors to consider in advertising/sales promotion follow-up.

**FOOD CONSERVATION - THE DOLLARS AND SENSE OF GOOD EATING**

9 min, 16mm film, optical sd, b&w 1956  
 Producer USA Agency No. TF10-2244  
 Title No. 335825 Sale \$19.00  
 Shows economic merits of taking just enough food for individual capacity. Points out that conscious avoidance of waste allows for menu extras.  
 CLEARED FOR TV.

**FOOD FOR SPACE TRAVELERS**

29 min, 16mm film, optical sd, b&w 1966  
 Producer USNASA Agency No. HQK-SI3  
 Title No. 336040 Sale \$55.75  
 Reports on the progress and problems involved in developing, preparing and eating nutritious and tasteful foods during extended space journeys.

**FOOD PREPARATION**

13 min, 16mm film, optical sd, col 1954  
 Producer USNMAC Agency No. M-0148-D  
 Title No. 336250 Sale \$45.25  
 Portrays cooking operations in preparing a typical meal in a medium-sized restaurant and emphasizes the important sanitary precautions taken by the kitchen personnel in the preparation and handling of the food.

**\*FOOL AND HIS MONEY, A**

23 min, 16mm film, optical sd, col 1970  
 Producer USN Agency No. MH-10862  
 Title No. 002093 Sale \$93.75  
 Provides instructions to service personnel on sound decisions in personal affairs dealing with financial transactions.

**FOOTPRINTS IN THE SEA**

26 min, 16mm film, optical sd, col 1966  
 Producer USN Agency No. MN10314  
 Title No. 336975 Sale \$88.00  
 Reports on the latest deep submersible maneuverable craft being tested and used by the Navy. Over 50 percent of the film is made of new underwater photography, including scenes of souscoupe, deep jeep, morey, and curv.

**FOR A BRIGHT HOME LIFE**

26 min, 16mm film, optical sd, b&w 1950  
 Producer USIA  
 Title No. 337078 Rental: W/DRAWN Sale: W/DRAWN  
 Portrays projects undertaken by two Japanese school girls enrolled in a domestic science class in Japan in order to modernize the kitchens in their rural homes.

**FOR ALL THE PEOPLE - THE HARRY S TRUMAN LIBRARY**

29 min, 16mm film, optical sd, col 1969  
 Producer USNLT  
 Title No. 337080 Rental \$12.50 Sale \$109.25  
 Shows the role of Truman during and immediately following World War II. Includes such historical episodes as the ending of the war in Europe, the use of the Atomic Bomb, the end of the war in the Pacific, American participation in the U N, the Korean war, the Truman Doctrine, and postwar domestic programs. Narrated by Martin Gabel.

**FOR CHILDREN - BECAUSE WE CARE**

13 min, 16mm film, optical sd, col 1965  
 Producer USNMAC Agency No. MIS-0879  
 Title No. 337200 Sale \$45.25  
 Noted pediatrician, Dr Benjamin Spock discusses community water fluoridation, its safety, and low-cost in reducing dental caries. A collection of photographs of children and adults in fluoridated and nonfluoridated communities show the facts. Dr Spock gives advice to parents.

**FOR THOU ART WITH ME**

14 min, 16mm film, optical sd, col 1966  
 Producer USN Agency No. MH10278G  
 Title No. 337410 Sale \$48.50  
 Describe the ministry and missions of the chaplains in Vietnam. Shows how chaplains of different faiths administer to the spiritual needs of Marines before, during, and after combat.

**FORCE IN READINESS**

28 min, 16mm film, optical sd, col 1961  
 Producer USMC Agency No. MH09552  
 Title No. 337690 Sale \$94.50  
 Shows the Navy-Marine Corps team in operation, featuring the value of trained manpower, while pointing up the many modern weapons available to the team.

**\*FORCEPS DELIVERIES - A SERIES**

171 min, 16mm film, optical sd, col 1963  
 Producer USA  
 Title No. 003124 Sale \$708.50  
 Presents an introduction and the equipment and techniques of forceps delivery.

PREREQUISITES FOR FORCEPS DELIVERIES, PT 1

FORCEPS DELIVERIES, PT 3, TRACTION

FORCEPS DELIVERIES, PT 4, TRANSVERSE ARREST

- FORCEPS DELIVERIES, PT 5, KEILLAND FORCEPS**  
**FORCEPS DELIVERIES, PT 6, FORCEPS MANAGEMENT OF FACE PRESENTATIONS**  
**FORCEPS DELIVERIES, PT 7, BARTON FORCEPS**  
**FORCEPS DELIVERIES, PT 8, PIPER FORCEPS -- FOR AFTER-COMING HEAD**
- \***FORCEPS DELIVERIES, PT 1, PREREQUISITES FOR FORCEPS DELIVERIES**  
 17 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF 5357  
 Title No. 003125 Sale \$72.00  
 Presents factors concerned in use of forceps - position and engagement of baby's head, type and dilation of cervix, knowledge of all types of forceps.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY.
- \***FORCEPS DELIVERIES, PT 3, TRACTION**  
 25 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5359  
 Title No. 003126 Sale \$103.75  
 Demonstrates manual and instrumental methods of accomplishing axis-traction-proper application of classical and special forceps used in the instrumental method.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- \***FORCEPS DELIVERIES, PT 4, TRANSVERSE ARREST**  
 40 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5360  
 Title No. 003127 Sale \$162.25  
 Illustrates forceps delivery techniques for transverse positions of the occiput, and posterior positions of the occiput.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- \***FORCEPS DELIVERIES, PT 5, KEILLAND FORCEPS**  
 48 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5361  
 Title No. 003128 Sale \$199.25  
 Shows uses and applications of the Keilland forceps for deliveries involving transverse and posterior positions.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- \***FORCEPS DELIVERIES, PT 6, FORCEPS MANAGEMENT OF FACE PRESENTATIONS**  
 10 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5362  
 Title No. 003129 Sale \$40.75  
 Illustrates application of Keilland forceps for management of face presentations in delivery--advantages of instrumental management over manual management underscored.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- \***FORCEPS DELIVERIES, PT 7, BARTON FORCEPS**  
 19 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5363  
 Title No. 003130 Sale \$80.00  
 Demonstrates application and use for transverse arrest and face presentation deliveries--advantages for patients with deformed sacrum or flat pelvis.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- \***FORCEPS DELIVERIES, PT 8, PIPER FORCEPS FOR AFTER-COMING HEAD**  
 12 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. PMF-5364  
 Title No. 003 31 Sale \$60.50  
 Demonstrates application and use of Piper forceps for deliveries involving breech presentation.  
 From the *FORCEPS DELIVERIES* series.  
 SUGGESTED FOR PROFESSIONAL GROUPS ONLY
- FOREIGN LANGUAGE LEARNING IN OUR SCHOOLS A REPORT ON RESULTS ACHIEVED BY STARTING IN**  
 27 min, 16mm film, optical sd, col 1966  
 Producer USOE Agency No. OE 499  
 Title No. 338100 Rental \$12.50 Sale \$91.25  
**FULL TITLE--FOREIGN LANGUAGE LEARNING IN OUR SCHOOLS - REPORT ON RESULTS ACHIEVED BY STARTING IN THE ELEMENTARY SCHOOL.** Presents a pictorial survey of activities during classes in French, German, Spanish, and Russian in elementary and secondary schools, and one college. Suitable for showings to PTA meetings, school administrators, teachers, and youth groups.
- \***FOREIGN MARKETING NEWSREEL**  
 13 min, 16mm film, optical sd, col 1962  
 Producer USDA Agency No. 1530  
 Title No. 338138 Sale \$64.00  
 Takes viewer around the world for a colorful look at American agricultural products on the move. Explains how and why U.S. farm products are finding large markets and making big news in the intensely competitive world of the 1960's.
- FOREIGN OBJECTS DAMAGE TO ARMY AIRCRAFT**  
 16 min, 16mm film, optical sd, b&w 1967  
 Producer USA Agency No. TF46-3822  
 Title No. 338140 Sale \$28.50  
 Explains the danger of foreign object damage, how it is caused in Army rotary and fixed wing aircraft, and how it can be prevented.
- \***FOREMANSHIP TRAINING - A SERIES**  
 42 min, 16mm film, optical sd, col 1968  
 Producer USBM  
 Title No. 003526 Sale \$165.75  
 Motivates coal mine supervisory personnel to stress safety in all facets of the mining process.
- SET THE PACE**  
**INVESTIGATION - A TOOL FOR ACCIDENT PREVENTION**  
**TEACH SAFETY**  
**SELL SAFETY**  
 PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4200 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.
- \***FOREST IN A MUSEUM**  
 11 min, 16mm film, optical sd, col 1962  
 Producer USDA Agency No. 1910  
 Title No. 003948 Sale \$56.00  
 Features the 1 1/4-acre 'Beaver National Forest' Exposition Ranch Museum in New Mexico. Tells the story of multiple use through small-scale models of animals, people, and fire tower, with real trees, grass and water. Living animals and birds on exhibit at the Museum are shown also.
- \***FOREST PATTERNS - BEAUTY AND USE**  
 19 min, 16mm film, optical sd, col 1966  
 Producer USDA Agency No. 5652  
 Title No. 003949 Sale \$90.00  
 Stresses the planned, scientific, and systematic harvest of timber--the management patterns called patch cutting.
- \***FOREST SERVICE ENGINEER, THE**  
 24 min, 16mm film, optical sd, col 1959  
 Producer USDA Agency No. 1359  
 Title No. 338550 Sale \$94.00  
 Tells the story of the Forest Service Engineers, the men who share with Forest Rangers the responsibility of managing, protecting and developing the resources of the national forests. Explains how they design and supervise the construction of all roads and trails and other facilities necessary for the many activities on the national forests and are responsible for surveying and mapping forest areas

\* INDICATES NEW ENTRY

- \*FOREST, THE**  
 29 min, 16mm film, optical sd, col 1960  
 Producer USDA Agency No. 1421  
 Title No. 338580 Sale \$128.00  
 Shows that national forests are valuable for water conservation, timber, forage and recreation. Depicts trail riding, skiing and picnicking. uses little narration. music is by the Air Force Symphony Orchestra.
- FORGE WELDING**  
 12 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 192  
 Title No. 338940 Rental \$7.50 Sale \$22.25  
 Describes how to maintain a proper fire, upset and scarf round stock, make a lap weld, and shape and hammer refine the weld.  
 From the FARM WORK series. Forging, No. 2
- FORGING WITH A HAND FORGE**  
 13 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 191  
 Title No. 339050 Rental \$7.50 Sale \$23.75  
 Shows how to clean the tuyere and build an open fire in a forge, lay out and mark the stock, heat mild steel for forging, and forge an eye.  
 From the FARM WORK series. Forging, No. 1
- FORMALIN-ETHER SEDIMENTATION TECHNIQUE**  
 8 min, 16mm film, optical sd, col 1965  
 Producer USNMAC Agency No. M-0761  
 Title No. 338240 Sale \$27.75  
 Shows the step-by-step procedure for performing the formalin-ether sedimentation technique on fecal specimens for diagnosis of intestinal parasites.
- FORMING ON A HAND OPERATED BRAKE**  
 17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 134  
 Title No. 339400 Rental \$7.50 Sale \$30.50  
 Shows how to set up the brake for bend angle and bend radius, operate the brake, and check test pieces and finished work.  
 From the AIRCRAFT WORK series. Forming Sheet Metal, No. 3
- FORMING ON ROTARY MACHINES**  
 17 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 290  
 Title No. 339420 Rental \$7.50 Sale \$30.50  
 Describes how to form sheet-metal parts on the slippoll machine and on the beading-roll machine.  
 From the AIRCRAFT WORK series. Forming Sheet Metal, No. 2
- FORMING ON THE STRETCHING MACHINE**  
 17 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 251  
 Title No. 006422 Sale \$35.75  
 Shows how to form a skin panel on the stretch press, set up the machine, make necessary adjustments for a production run, and handle the run.  
 From the AIRCRAFT WORK series. Forming Sheet Metal, No. 6
- FORMING WITH A DROP HAMMER**  
 17 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 291  
 Title No. 339440 Rental \$7.50 Sale \$30.50  
 Gives the purpose of drop hammer forming. Tells how to operate the pneumatic hammer, set up the punch and die, handle a production run on a single-hit job, and use draw rings on a deep-draw job.  
 From the AIRCRAFT WORK series. Forming Sheet Metal, No. 5
- FORMING WITH RUBBER ON THE HYDRAULIC PRESS**  
 11 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 133  
 Title No. 339450 Rental \$5.00 Sale \$19.25  
 Shows how sheet metal parts are formed with rubber on a hydraulic press, how to set up the work and how to operate the press.
- From the AIRCRAFT WORK series. Forming Sheet Metal
- FORTY-ONE FOR FREEDOM - A FLEET IS BUILT**  
 28 min, 16mm film, optical sd, col 1968  
 Producer USN Agency No. MN10703  
 Title No. 340010 Sale: W/DRAWN  
 Shows the completion of forty-one authorized fleet ballistic missile submarines, armed with Polaris. Depicts the building of a Polaris submarine from keel laying to patrol, the complexities of the equipment, and includes an interview with Admiral Levering Smith, USN, Director of Special Projects. Narrated by Ed Reimers.
- FOUNDATION FOR GROWTH**  
 27 min, 16mm film, optical sd, col 1970  
 Producer USBEH  
 Title No. 340511 Rental \$12.50 Sale \$109.50  
 Emphasizes the need for early intervention in training of the mentally retarded, and features mostly pre-school activities, but with demonstration of progressive training activities that may have a beginning in pre-school. Filmed in Scandinavia and England.
- FOUNDATIONS AND CONCRETE**  
 26 min, 16mm film, optical sd, b&w 1950  
 Producer USN Agency No. MN08719A  
 Title No. 340450 Sale \$45.50  
 Presents a brief overview of building foundations, usually made of concrete, and mentions variables which determine type of foundation to be used.
- FOUR CHILDREN**  
 20 min, 16mm film, optical sd, b&w  
 Producer USOEO Agency No. 340725  
 Title No. 340725 Sale \$29.00  
 Shows four Head Start children, so alike as human beings, so different as people. An intimate look at the children and the homes that influence them.
- FOUR DAYS OF GEMINI 4, THE**  
 28 min, 16mm film, optical sd, col 1965  
 Producer USNASA Agency No. HQA 134  
 Title No. 340750 Sale \$115.50  
 Depicts the Gemini 4 mission of Astronauts James McDivitt and Edward White. Includes pre-launch and launch activities. Sound track includes narration and actual voice communications by the astronauts. Shows details of the Gemini space suit and 'space gun'.
- FOUR ELEMENTS, THE**  
 13 min, 16mm film, optical sd, col 1966  
 Producer USIA Agency No. 01-02635  
 Title No. 340755 Rental: W/DRAWN Sale: W/DRAWN  
 Deals with the conversion of the traditional elements of Earth, air, fire and water into manufactured goods. Includes a hydro-electric dam power station in Nevada, an automated coal mine in Virginia, coke and steel furnaces in Pennsylvania, oil fields in Texas, an oil refinery in California, and a plant in Alabama where chemicals and elements are combined to make fabric.
- FOURTH GRADE VOCABULARY**  
 13 min, 16mm film, optical sd, b&w 1966  
 Producer USOE Agency No. OE 507  
 Title No. 341400 Rental \$7.50 Sale \$23.75  
 Depicts stimulate teacher discussion of the various uses of programmed instruction in the teaching of fourth grade vocabulary.  
 From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.
- FOURTH GRADE VOCABULARY (SPANISH)**  
 13 min, 16mm film, optical sd, b&w 1966  
 Producer USOE Agency No. OE 507  
 Title No. 001709 Rental \$7.50 Sale \$23.75  
 Depicts stimulate teacher discussion of the various uses of programmed instruction in the teaching of fourth grade vocabulary.

From the PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series.

**FRACTURES ABOUT THE ELBOW**

30 min, 16mm film, optical sd, col 1954

Producer USVA

Title No. 341560

Sale \$101.00

Discusses the functional anatomy of the elbow joint and illustrates the displacing pulls of the muscle groups as they affect different fractures. Describes the mechanism of typical elbow injuries, such as fractures of the supracondylar, intercondylar, olecranon and head of the radius, and demonstrates various types of management, including manipulation, traction, and open reduction.

**FRACTURES ABOUT THE KNEE**

24 min, 16mm film, optical sd, col 1956

Producer USVA

Title No. 341561

Sale \$81.50

Explains the anatomy of the knee joint and its surrounding structures as they affect and are affected by fractures in the area. Shows management of fractures of the patella, intercondylar fractures of the femur, and fractures of the tibial plateau.

**FRACTURES ABOUT THE WRIST AND HAND**

30 min, 16mm film, optical sd, col 1955

Producer USVA

Title No. 341562

Sale \$101.00

Discusses the functional anatomy of the wrist and hand, particularly as it relates to fractures in that area. Describes the mechanisms of typical injuries, including fractures of the phalanges, metacarpals, carpal navicular, lunate, and colles' fracture. Demonstrates treatment by manipulation, traction, and immobilization, with emphasis on the basic principles of fracture reduction. Includes a section on the aftercare of wrist and hand fractures.

**FRACTURES AND SPLINTING**

28 min, 16mm film, optical sd, col 1965

Producer USNMAC Agency No. M-0801

Title No. 341564

Sale \$93.00

Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.

From the MEDICAL SELF-HELP series.

REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ONE BELMONT ROAD, WEST HYATTSVILLE, MARYLAND 20782. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO N A C.

**FRACTURES OF THE FEMUR ABOUT THE HIP JOINT**

21 min, 16mm film, optical sd, col 1955

Producer USVA

Title No. 001710

Sale \$71.50

Discusses the anatomy of the region about the hip, with special reference to the displacing pulls of muscles as they affect various fractures, and the blood supply to the head and neck of the femur. Includes fractures of the neck of the femur and intertrochanteric fractures. Shows methods of internal fixation and discusses the problems of maintenance of reduction by internal fixation as opposed to traction, particularly with reference to the elderly patient.

**FRACTURES OF THE HEAD AND SHAFT OF THE HUMERUS**

28 min, 16mm film, optical sd, col 1956

Producer USVA

Title No. 341576

Sale \$88.00

Discusses the functional anatomy of the shoulder and illustrates the displacing pulls of the muscle group as they affect different fractures. The mechanism of typical humerus fractures, such as those of the surgical neck and shaft, are described and various types of management including manipulation, traction and open reduction are demonstrated.

**FRACTURES OF THE LEG AND ANKLE JOINT**

26 min, 16mm film, optical sd, col

1955

Producer USVA

Title No. 341577

Sale \$88.00

Discusses the anatomical structures of the leg and ankle and how they function in relation to fractures, the displacing pulls of the muscles and dangers to the nerve and blood supply, management of fractures of the tibia and the malleoli. Explains the various methods of reduction, including the use of manipulation, traction, and internal fixation from the viewpoint of the principles underlying that treatment. Emphasizes the importance of aftercare.

**FRACTURES OF THE SHAFT OF THE FEMUR**

21 min, 16mm film, optical sd, col

1956

Producer USVA

Title No. 341578

Sale \$71.50

Discusses the various means of overcoming the displacements caused by muscles. Demonstrates treatment for fractures of the upper, middle, and lower portions of the shaft. Also explains with illustrations the principles of suspension traction and open reduction.

**FRACTURES OF THE SHAFT OF THE RADIUS AND Ulna**

29 min, 16mm film, optical sd, col

1956

Producer USVA

Title No. 341579

Sale \$97.75

Discusses the displacing pulls of the forearm muscles and the effect of various fractures on the blood vessels and nerves in the area. Describes typical forearm injuries, including fractures of both bones, fractures of the shaft of the radius and fracture of ulna with anterior dislocation of the head of the radius. Methods of treatment are shown, and the problems of maintenance of reduction by traction as well as internal fixation are discussed.

**FRACTURES, DISLOCATIONS, AND SPRAINS**

40 min, 16mm film, optical sd, b&w

1966

Producer USNMAC

Agency No. T-1847-X

Title No. 341566

Sale \$80.25

Emphasizes prompt diagnosis and definitive treatment of musculo-skeletal injury. Presents methods of diagnosis and management of common injuries.

**FRAMING - FLOOR JOISTS AND WALLS**

25 min, 16mm film, optical sd, b&w

1950

Producer USN

Agency No. MN06719B

Title No. 341750

Sale \$43.75

Illustrates procedures for constructing walls, floors, doors, and windows of a two-story building.

**FRAMING - HIP AND VALLEY RAFTERS**

25 min, 16mm film, optical sd, b&w

1950

Producer USN

Agency No. MN06719D

Title No. 341753

Sale \$43.75

Shows how to cut, measure, and fit hip and valley rafters, and compares them with regular type rafters.

**FRAMING - RAFTER PRINCIPLES AND COMMON RAFTERS**

15 min, 16mm film, optical sd, b&w

1950

Producer USN

Agency No. MN06719C

Title No. 341758

Sale \$27.00

Illustrates laying out and cutting of rafters.

**FREE OSSEOUS TISSUE AUTOGRAPH TO ELIMINATE AN INFRABONY POCKET**

16 min, 16mm film, optical sd, col

1968

Producer USVA

Agency No. D-26-PE

Title No. 342650

Sale \$56.00

An infrabony periodontal defect. Shows how this surgical procedure is performed after tooth movement had been accomplished and the teeth had been stabilized with a wire ligature splint.

**FREEDOM AND YOU**

53 min, 16mm film, optical sd, b&w

1962

Producer USDOD

Agency No. AFIF 0120

Title No. 343662

Sale \$92.50

Describes a nightmarish dream about life under communism which awakens the husband to the fact that his democratic responsibilities are a pleasure.

<b>FREEDOM OF THE PRESS</b>			
17 min, 16mm film, optical sd, b&w Producer USA Title No. 343850	1950	Sale \$36.75	understanding the speed of light and radio waves. Explains the terms 'wavelength' and 'period,' and gives the formula for wavelength. Shows some examples of problems involving frequency and wavelength. (Kinescope)
Presents a portrayal of Peter Zenger's trial, showing the responsibilities of a free press and the results of 'free' as opposed to 'controlled' press. Shows various newspaper processes.			
<b>FREEDOM TO LEARN</b>			
28 min, 16mm film, optical sd, b&w Producer USOWIO Title No. 344050	1949	Sale \$58.50	<b>FRESHER THE BETTER, THE</b>
Pictures facilities and activities of the State university of Iowa, such as student newspaper, radio station and hospital. Shows how, in both scholastic and social activities, the environment helps individual development in accordance with democratic processes.			14 min, 16mm film, optical sd, col Producer USAEC Title No. 001712
<b>FREEDOM 7</b>			Sale \$58.00
29 min, 16mm film, optical sd, col Producer USNASA Title No. 344200	1961	Agency No. HQA 051	Uses animation to introduce the concept of radiation preservation of food, and to explain the process and its results. Describes the preservation of fresh seafoods by radiation pasteurization and shows actual research being performed and products being processed by the Marine Products Development Irradiator.
Shows Astronaut Alan B. Shepard's sub-orbital launch. Describes part of his training, his activities during the last few days before launch, his recovery and reception aboard the rescuing aircraft carrier.		Sale \$117.25	<b>*FRIENDLY WATERS</b>
<b>*FRENCH - BASIC COURSE, UNITS 1-12</b>			7 min, 16mm film, optical sd, col Producer USDA Title No. 003950
21 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 008891		Agency No. HQA 059	1958
Cassettes and accompanying text are both available for \$71.25.		Sale \$68.25	Agency No. 1382
<b>OTHER FORMAT(S) or VERSION(S)</b>			Sale \$38.00
39 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 008890		Sale \$108.50	Tells the story of the floods that occurred in the Southwest in the spring of 1957. Shows the land treatment and flood-water-retarding dams operate to prevent flood damages within a watershed.
Tape set and accompanying text are both available for \$111.50.			
<b>*FRENCH - BASIC COURSE, UNITS 13-24</b>			<b>FRIENDSHIP 7</b>
26 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 008893		Sale \$84.50	53 min, 16mm film, optical sd, col Producer USNASA Title No. 346650
Cassettes and accompanying text are both available for \$87.50.			1962
<b>OTHER FORMAT(S) or VERSION(S)</b>			Agency No. HQA 059
46 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 008892		Sale \$128.25	Sale \$240.00
Tape set and accompanying text are both available for \$128.25.			Shows Astronaut John H. Glenn's first American orbital space flight. Documents Project Mercury, including a close look at tracking stations around the world.
<b>FREQUENCY MODULATION, PT 1, BASIC PRINCIPLES</b>			<b>*FROM THE GROUND UP</b>
26 min, 16mm film, optical sd, b&w Producer USA Title No. 001711	1964	Agency No. TF11-3482	13 min, 16mm film, optical sd, col Producer USIAA Title No. 348520
Explains the basic principles of FM radio communication using animation and block diagrams.		Sale \$45.50	Rental: W/DRAWN Sale: W/DRAWN
<b>FREQUENCY SPECTRUM</b>			Shows the work of soil surveyor in studying and mapping farm soils. Explains importance of productive soil to populations of the world. Shows a soil conservationist using the information gained on a survey to help a farmer develop his conservation farm plan.
16 min, 16mm film, optical sd, b&w Producer USAF Title No. 345704		Agency No. TVK 30-204A	<b>FROM THE GROUND UP</b>
Shows the light spectrum through a prism to explain 'frequency spectrum.' Discusses frequency, wavelength, and period as an introduction to representing the 'frequency spectrum.' Gives the band of frequencies from audio, through radio (including VHF and UHF), to microwave. (Kinescope)		Sale \$53.50	27 min, 16mm film, optical sd, col Producer USFAA Title No. 006423
<b>OTHER FORMAT(S) or VERSION(S)</b>			1969
30 min, 16mm film, optical sd, b&w Producer USAF Title No. 345703		Agency No. FA-0903	Describes the role of the FAA airway facilities technician. Tells the story of the contributions made in maintaining the electronic and lighting aids that guide pilots safely to their destinations.
<b>FREQUENCY SPECTRUM - WAVELENGTHS AND FREQUENCY</b>			Sale \$108.50
26 min, 16mm film, optical sd, b&w Producer USAF Title No. 345705		Agency No. 1225	
Discusses velocity in terms of miles-per-hour as a basis for		Sale \$111.00	<b>*FROM THE RIDGE TO THE RIVER</b>
<b>*INDICATES NEW ENTRY</b>			26 min, 16mm film, optical sd, col Producer USDA Title No. 348530
			1955
			Shows the land treatment and work on watercourses, and how they are integrated to provide a watershed protection program as security against floods.
			<b>*FROM WHERE I SIT</b>
			27 min, 16mm film, optical sd, b&w Producer USDS Title No. 003360
			1968
			Sale \$41.00
			Examines increased trade with Communist countries and Soviet-South American-U.S. coastal fishing rights through on-the-spot interviews with representatives of foreign countries, fishermen, longshoremen, and businessmen who all have a stake in the ultimate solution.
			<b>FRONT LINE OF THE BATTLE</b>
			15 min, 16mm film, optical sd, col Producer USNMAC Title No. 348847
			1966
			Agency No. M-1070
			Sale \$51.75
			Shows correct procedures of hand spraying and power spraying in residential and business areas for eradicating Aedes Aegypti and other containerbreeding mosquitoes.

**FRONTIERS OF TRADE**

7 min, 16mm film, optical sd, col 1962  
Producer USA Agency No. MF11-9629  
Title No. 34930 O/PRINT  
Explains the importance of international trade, to the United States and other participating countries of the free world, for better living standards and national progress.  
Cleared for TV.

**FUEL ELEMENT BURNING EXPERIMENT**

14 min, 16mm film, optical sd, col 1959  
Producer USAEC  
Title No. 000614 Sale: W/DRAWN  
Describes an experiment at the National Reactor Testing Station, Idaho, in which aircraft reactor fuel elements, together with other materials, were melted in a simulated aircraft crash. Explains that the experiment consisted of two phases-phase A used jet fuel as the combustible and phase B used thermite to produce high temperature to assure melting, pointing out that in phase A melting did not occur and no radioactivity was released, and that in phase B, melting did occur, with the release of a small amount of activity (10,000 curies of fission products) in the National Reactor Testing Station out to a distance of 1/2 mile.

**FUEL PUMP DISASSEMBLY**

15 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02364P  
Title No. 348660 Sale \$27.00  
Describes how to disconnect linkage, remove cover plate, disconnect all lines, remove fuel pump and disassemble at work bench and remove all parts from pump housing.

**FUEL PUMP RECONDITIONING AND REASSEMBLY**

23 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02364Q  
Title No. 349665 Sale \$40.50  
Describes how to recondition and reassemble parts of a fuel pump system.

**\*FUSA - BASIC COURSE**

29 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004057 Sale \$94.25  
Cassettes and accompanying text are both available for \$97.00.

**OTHER FORMAT(S) OR VERSION(S)**

29 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004058 Sale \$81.00  
Tape set and accompanying text are both available for \$83.75.

**FULL BLADE**

14 min, 16mm film, optical sd, col  
Producer USMC Agency No. MH-10278B  
Title No. 349763 Sale \$48.50  
Shows civic action program being carried out by the Marine Corps in Vietnam. Depicts Vietnamese farmers harvesting a rice crop for the first time in many years, guarded by Marines who had cleared the area of Viet Cong. Describes food distributions and medical assistance given to the Vietnamese.

**FULL-WAVE MAGNETIC AMPLIFIER**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-702  
Title No. 349775 Sale \$82.25  
Explains the purpose of each part of the full-wave magnetic amplifier. Shows a simplified circuit and how a small change in DC bias can control a larger AC input. With the help of hysteresis loops, shows how the output of the circuit is developed with three different amounts of DC control bias. Shows a review of the material covered. (Kinescope)

**FULL-WAVE RECTIFIERS - VACUUM TUBE**

32 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-403  
Title No. 349777 Sale \$66.50  
Shows construction of a full-wave rectifier from a half-wave rectifier, the schematic of a full-wave rectifier, labels each

component, traces the current through the circuit, and draws the output waveshape. Demonstrates how to calculate the peak, effective, average, and inverse peak voltages for a full-wave rectifier. Determines the ripple frequency from the input frequency. (Kinescope)

**FUNCTIONAL TEACHING IN ELECTRICITY AND ELECTRONICS**

16 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN08050  
Title No. 350475 Sale \$28.50  
Shows Navy instructors how to use such teaching procedures as trainee preparation, lecture, discussion, demonstration, experimentation, and review, illustrates the use of training aids.

**FUNDAMENTAL LINES AND SECTIONS**

22 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02334A  
Title No. 000616 Sale \$30.50  
Explains the meaning and purpose of various lines, the division of a ship's structure, and the names and symbols for different parts.

**FUNDAMENTALS OF BALLISTICS**

19 min, 16mm film, optical sd, b&w 1949  
Producer USA Agency No. TF09-1512  
Title No. 351133 O/PRINT  
Describes interior ballistics, type and characteristics of various powder grains, exterior ballistics, effects of resistance and gravity, trajectory, methods of overcoming problems involved, terminal ballistics, types of fuzes and explosives,--and types of projectiles including penetration, blast and fragmentation.

**FUNDAMENTALS OF CARRIER TELEPHONY, PT 1 OPERATION OF A CARRIER SYSTEM**

12 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TF11-2805  
Title No. 001713 Sale \$22.25  
Describes the features, operation and advantages of the Telephone Carrier System used in today's Army -shows how the Telephone Carrier System provides for operation of several telephone or teletype channels over a single spiral four cable. Explains how different frequency bands are used in transmitting more than one voice over the transmission line at the same time.

**FUNDAMENTALS OF CARRIER TELEPHONY, PT 2, TERMINALS AND REPEATERS**

19 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TF11-2806  
Title No. 351136 Sale \$33.75  
Describes the features and function of carrier terminals and repeaters. Discusses carrier terminals, explains the fundamental electronic circuits employed by carrier terminal equipment, and shows how voice frequencies converted to electrical frequencies travel along the line of transmission.

**FUNDAMENTALS OF CLINICAL ENZYMOLOGY**

38 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1681  
Title No. 351138 Sale \$78.50  
Reviews all the components of an enzyme assay, kinetics with emphasis on zero order reactions, and pitfalls as well as details of procedure. From viewing this tape, the student should have a good grasp and comprehensive understanding of enzyme assays, but particularly lactate dehydrogenase (LDH). (Kinescope)

**FUNDAMENTALS OF END CUTTING TOOLS**

12 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 043  
Title No. 351350 Rental \$7.50 Sale \$22.25  
Discusses radius, threading, shear-cut finishing, round-nosed finishing, side-facing tools, the correct setting of the tools and the type of cut each makes.  
From the MACHINE SHOP WORK series. Single Point Cutting Tools, No. 2

**FUNDAMENTALS OF END CUTTING TOOLS (SPANISH)**  
 12 min, 16mm film, optical sd, b&w 1942  
 Producer USOE Agency No. OE 043  
 Title No. 001714 Rental \$7.50 Sale \$22.25  
 Discusses radius, threading, sheer-cut finishing, round-nosed finishing, side-facing tools, the correct setting of the tools and the type of cut each makes.  
 From the MACHINE SHOP WORK series. Single Point Cutting Tools, No. 2

**FUNDAMENTALS OF FILING**  
 12 min, 16mm film, optical sd, b&w 1942  
 Producer USOE Agency No. OE 041  
 Title No. 351400 Rental \$7.50 Sale \$22.25  
 Demonstrates how to select, handle and care for files.

**FUNDAMENTALS OF MASSAGE**  
 12 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 414  
 Title No. 351450 Sale \$26.75  
 Describes techniques of fundamental massage movements—deep stroking, kneading, and friction. Gives principal physiological effects of these massage movements upon the human organism.  
 From the NURSING series.

**FUNDAMENTALS OF MECHANICAL VIBRATION**  
 29 min, 16mm film, optical sd, col 1954  
 Producer USAEC  
 Title No. 001715 Sale \$91.50  
 Discusses the system of mechanical vibration—including, spring mass, viscous coulomb, and solid damped systems. Uses animation and live demonstrations to illustrate various types of damping. Presents animated mathematical examples by Fourier to demonstrate irregular forcing functions and their effects on engineering structures. Discusses a mathematical approach to solving composite displacement vibration problems.

**FUNDAMENTALS OF RADIAC INSTRUMENTS**  
 25 min, 16mm film, optical sd, b&w 1945  
 Producer USA Agency No. TF11-2234  
 Title No. 351490 Sale \$52.50  
 Describes basic atomic theory, characteristics and uses of accumulation and intensity devices, and emphasizes accurate calibration for efficient operation.  
 CLEARED FOR TV.

**FUNDAMENTALS OF RADIOACTIVITY**  
 59 min, 16mm film, optical sd, b&w 1952  
 Producer USA Agency No. PMF 5145A  
 Title No. 001716 Sale \$102.00  
 Explains basic concepts in the field of nuclear physics necessary to an understanding of radioisotopes. Describes in detail the origins of nuclear radiation and the chain reaction of uranium as a means of producing radioisotopes.

**FUNDAMENTALS OF SIDE CUTTING TOOLS**  
 11 min, 16mm film, optical sd, b&w 1946  
 Producer USOE Agency No. OE 042  
 Title No. 351650 Rental \$5.00 Sale \$19.25  
 Shows how side cutting tools are shaped, how they cut, and how generated heat is dissipated.  
 From the MACHINE SHOP WORK series. Single Point Cutting Tools, No. 1

**FUNDAMENTALS OF SIDE CUTTING TOOLS (SPANISH)**  
 11 min, 16mm film, optical sd, b&w 1946  
 Producer USOE Agency No. OE 042  
 Title No. 001718 Rental \$5.00 Sale \$19.25  
 Shows how side cutting tools are shaped, how they cut, and how generated heat is dissipated.  
 From the MACHINE SHOP WORK series. Single Point Cutting Tools, No. 1

**FUNDAMENTALS OF STAIR LAYOUT**  
 11 min, 16mm film, optical sd, b&w 1950  
 Producer USN Agency No. MN06719F  
 Title No. 351700 Sale \$19.25  
 Covers the measuring, fitting, and installing of stairways.

**\*FUNGI SNARE AND DESTROY NEMATODES (REV ED)**  
 4 min, 16mm film, optical sd, b&w 1940  
 Producer USDA Agency No. 658  
 Title No. 004541 Sale: W/DRAWN  
 Demonstrates under the microscope how certain fungi catch and devour nematodes. Explanatory lecture on the complicated process by which organic matter is broken down to enrich the soil.

**FURY IN THE PACIFIC**  
 20 min, 16mm film, optical sd, b&w 1945  
 Producer USN Agency No. MN09045  
 Title No. 352800 Sale \$35.25  
 Documents the invasion of the Palau Islands in 1944.

**FUSION RESEARCH**  
 22 min, 16mm film, optical sd, col 1954  
 Producer USAEC  
 Title No. 001717 Sale \$74.75  
 Discusses the nature of thermonuclear research through studies of plasma production and confinement. Gives a qualitative description on the obstacles to investigative success such as plasma oscillations and plasma and energy losses. Describes plasma measurements and research devices in plasma studies.

**G FACTS**  
 23 min, 16mm film, optical sd, col 1954  
 Producer USAF Agency No. TF1-4964  
 Title No. 001719 Sale \$78.25  
 Explains the basic principles of gravitational pull. Describes positive G, negative G, and transverse G. Discusses the purposes and uses of different types of anti-G suits.

**GAGE BLOCKS AND ACCESSORIES**  
 23 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 246  
 Title No. 353250 Rental \$10.00 Sale \$40.50  
 Tells why accessories are used with gage blocks, how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage and a screw-thread pitch and how to build a height gage and scribe.  
 From the MACHINE SHOP WORK series. Precision Measurement, No. 8

**GAIL'S AWAKENING**  
 11 min, 16mm film, optical sd, col 1959  
 Producer USVA Agency No. D-79-ED  
 Title No. 353200 Sale \$38.25  
 The importance of maintaining oral hygiene is described. Time lapse photography used to show the activity of oral bacteria and their relationship to the development of caries.

**GAIT TRAINING OF THE PARAPLEGIC**  
 8 min, 16mm film, optical sd, col 1958  
 Producer USNMAC Agency No. M-1406  
 Title No. 353225 Sale \$26.00  
 Teaches the patient the drag-to, the swing-to, and the swing-through gaits in the parallel bars. The trunk, hand, head, and foot positioning are noted in each gait sequence, as well as the proper spotting techniques. The purpose and use of each of these gaits is mentioned. Axillary crutch measurement is also demonstrated.

**GAP, THE**  
 27 min, 16mm film, optical sd, col 1959  
 Producer USSR Agency No. 354160 Sale \$109.50  
 Title No. 354160 Depicts problems remaining in the delivery of welfare and rehabilitation services. Shows successful approaches to the problem.

**GAS TUBES**  
 26 min, 16mm film; optical sd, b&w  
 Producer USAF Agency No. TVK 30-429  
 Title No. 354550 Sale \$54.75  
 Defines and compares 'hard' and 'soft' tubes. Shows the drawing of the schematic symbol of a gas diode and triode (thyatron) tube. Describes the construction of the thyatron grid, and states the effect it has in controlling plate current. Shows the schematic symbol of a neon glow tube, a VR

(voltage regulator) tube, interprets the designation of a VR tube, and an analysis of a VR tube based on its characteristic curve. (Kinescope)	
<b>*GENERAL OF NORTH AMERICAN TICKS</b>	
4 min, 35mm filmstrip, 1/4 in. audiotape, col Producer USNMAC Title No. 002094 Shows representative species of the genera of North American ticks and their morphological characteristics.	1953 Agency No. F-139 Sale \$10.00
<b>*GENERAL AVIATION - FACT OR FICTION</b>	
15 min, 16mm film, optical sd, col Producer USFAA Title No. 003123 Examines general aviation's significant contributions to the American economy and examines its role as a flexible and facile mode of travel serving a multitude of purposes and pleasures.	1973 Agency No. FA-01-73 Sale \$70.25
<b>GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS-- DIS-ASSEMBLY AND REASSEMBLY, MODEL 278</b>	
18 min, 16mm film, optical sd, b&w Producer USN Title No. 001720 Shows how to disassemble and reassemble General Motors diesel engine unit injector model 278.	1949 Agency No. MN 2769B Sale \$32.00
<b>GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS-- MAINTENANCE</b>	
18 min, 16mm film, optical sd, b&w. Producer USN Title No. 001721 Shows to disassemble, handle, clean, and inspect the diesel engine unit injector.	1948 Agency No. MN 2769A Sale \$32.00
<b>*GENERAL SPEECH PATTERNS- 1</b>	
9 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003397 Provides a framework for making a learning situation for language or speech or both out of every communication between pupil and adult. From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. The General Language	Agency No. D-101 Sale \$19.75
<b>*GENERAL SPEECH PATTERNS- 2</b>	
9 min, 16mm film, optical sd, b&w Producer USBEH Title No. 003398 Presents five steps a teacher can use in understanding what a pupil has said. From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. the General Language	Agency No. D-102 Sale \$29.50
<b>*GENERALIZATION OF INFORMATION</b>	
3 min, 8mm cartridge, optical sd, col Producer USBEH Title No. 003399 Sold only in a cartridge with developing imagination. Presents short insights into home and school education of the profound hearing impaired.	Sale \$22.00
<b>GENTLE HAND, THE</b>	
28 min, 16mm film, optical sd, col Producer USN Title No. 356440 Tells the story of American Navy surgeons giving medical aid and instructions to South Vietnamese patriots in the picturesque village of Rach Gia, Republic of Vietnam.	1968 Agency No. MN10388 Sale \$94.50
<b>*GEOLOGY FROM SPACE</b>	
24 fr, 35mm filmstrip, 1/4 in. audiotape, col Producer USNASA Title No. 002096 Using photographs of the Earth taken by Gemini astronauts, shows various geological features around the world and emphasizes how space photography can aid future geological study.	1967 Sale \$10.00
<b>*GERMAN - A PROGRAMMED INTRODUCTION</b>	
	22 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004063 Cassettes and accompanying text are both available for \$76.00.
	OTHER FORMAT(S) or VERSION(S) 22 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004064 Tape set and accompanying text are both available for \$86.25.
<b>*GERMAN - BASIC COURSE, UNITS 1-12</b>	
	25 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004059 Cassettes and accompanying text are both available for \$84.25.
	OTHER FORMAT(S) or VERSION(S) 43 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004060 Tape set and accompanying text are both available for \$122.75.
<b>*GERMAN - BASIC COURSE, UNITS 13-24</b>	
	25 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004061 Cassettes and accompanying text are both available for \$83.00.
	OTHER FORMAT(S) or VERSION(S) 42 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004062 Tape set and accompanying text are both available for \$118.75.
<b>GERMFREE ANIMALS IN MEDICAL RESEARCH</b>	
	19 min, 16mm film, optical sd, col Producer USNMAC Title No. 001722 Shows the kind of equipment necessary to carry on germfree investigations. Discusses serological studies which use germfree animals inoculated with a single known species of bacterium, and which investigate the behavior of viruses in the absence of bacteria.
<b>*GET IT ALL TOGETHER</b>	
	30 min, 16mm film, optical sd, col Producer USSR Title No. 002097. Examines the two different settings of the John F Kennedy School and Community Center in Atlanta, which serve a large inner city Black population - and the Services Access System in Peoria, Ill., Which serves both urban and rural clients in a three county area. Focuses on two individuals to show how coordinated agency arrangements can help the individual and his family reach the goal of self-sufficiency.
<b>GETTING THROUGH</b>	
	21 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 380075 Poses some troublesome questions about cigarette smoking--why young people start smoking and what factors are responsible for their decision. Scenes are shown from the 'smoky world' which surrounds teenagers today, and smoking is explored as a complex paradox of our society. Features Burt Lancaster.
<b>*GIANT LICHENIFICATION</b>	
	4 min, 16mm film, optical sd, col Producer ILDS Title No. 004536 1962 Agency No. AFIP-7 Sale: N/DRAWN

\* INDICATES NEW ENTRY

<b>GINGIVAL AUTOGRAPH IN PERIODONTICS, THE</b>			
14 min, 16mm film, optical sd, col	1968		
Producer USVA	Agency No. D-27-PE		
Title No. 001723	Sale \$49.50		
Shows how a gingival autograft is used to correct a periodontal pocket which extends to the muco-gingival junction. Emphasizes that insufficient attached gingiva is present. A pedical flap cannot be used because of insufficient gingiva adjacent to the involved tooth.			
<b>GINGIVAL RETRACTION CLASS V</b>			
5 min, 16mm film, optical sd, col	1967		
Producer USVA	Agency No. D-003		
Title No. 361490	Sale \$23.50		
A single concept film. For a descriptive statement, see the series title.			
From the OPERATIVE DENTISTRY - ADVANCED CONCEPTS Series.			
<b>GINGIVECTOMY PROCEDURE TO ELIMINATE SUPRABONY POCKETS</b>			
14 min, 16mm film, optical sd, col	1968		
Producer USVA	Agency No. D-21-PE		
Title No. 001724	Sale \$49.50		
Shows how a gingivectomy is performed for the elimination of suprabony pockets. These are the periodontal type and involve the maxillary teeth. The rationale of this treatment is examined. Technical procedures are presented and the use of selected instruments is shown. Postoperative results are also discussed in this film.			
<b>*GLASS WALL, THE</b>			
29 min, 16mm film, optical sd, col	1969		
Producer USSR			
Title No. 362751	Rental \$12.50 Sale \$175.00		
Describes Nanette Fabray's life as a deaf person before an operation enabled her to hear. Actor William Gargan, who lost his voice because of cancer, demonstrates esophageal speech.			
From the TO LIVE AGAIN series.			
<b>GLAUCOMA FOR ALL PHYSICIANS</b>			
27 min, 16mm film, optical sd, b&w	1966		
Producer USNMAC	Agency No. T-1851-X		
Title No. 362880	Sale \$55.50		
Shows glaucoma as the chief cause of blindness in this country, other than injuries. Estimates that about one million individuals over forty have this disease, many of whom are unaware that their intraocular pressures are elevated. Edwin B Dunphy, md, lectures. (Kinescope)			
<b>GLUCOSE METHOD - AUTO ANALYZER</b>			
17 min, 16mm film, optical sd, col			
Producer USNMAC	Agency No. M-1268		
Title No. 001725	Sale \$60.00		
Presents the ferricyanide-ferrocyanide determination for glucose as applied to the auto-analyzer system by Technicon, Inc.			
<b>GLUCOSE METHOD - GLUCOSE OXIDASE, PT 1, PROCEDURES</b>			
18 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1235		
Title No. 001726	Sale \$61.75		
Presents the incorporation of semi-automated equipment for the preparation of the protein-free filtrate and the execution of the color reaction step. Several combinations of pieces of equipment applicable to the various steps in the procedure are suggested as a means of acquiring simplicity and reproducibility or results.			
<b>GLUCOSE METHOD - GLUCOSE OXIDASE, PT 2, PREPARATION OF REAGENTS AND PRIMARY STANDARDS</b>			
18 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1237		
Title No. 001727	Sale \$60.00		
Presents a procedure for preparation of all reagents suggested to insure better quality control of the glucose oxidase method.			
<b>GLUCOSE METHOD - NELSON SOMOGYI, PT 1, PREPARATION OF PROTEIN-FREE FILTRATE</b>			
15 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1231		
Title No. 001728	Sale \$50.00		
Presents the procedure for preparation of protein-free filtrate utilizing manual pipettes or various combinations of a Seligson pipette and an automatic diluting machine as a means of reducing variability in this step of the procedure.			
<b>GLUCOSE METHOD - NELSON SOMOGYI, PT 2, COLOR REACTION</b>			
9 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1232		
Title No. 001729	Sale \$29.25		
Presents the second part of the Nelson Somogyi method which demonstrates the technique involved in subjecting a large number of samples to the color reaction with emphasis on the use of automatic measuring devices for greater reproducibility of the method.			
<b>GLUCOSE METHOD - NELSON SOMOGYI, PT 3, PREPARATION OF REAGENTS AND PRIMARY STANDARDS</b>			
13 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1233		
Title No. 001730	Sale \$43.75		
Demonstrates a technique which insures greater stability and a minimum of effort in the preparation of reagents.			
<b>GLUCOSE METHOD - ORTHO-TOLUIDINE</b>			
15 min, 16mm film, optical sd, col	1966		
Producer USNMAC	Agency No. M-1239		
Title No. 001731	Sale \$50.00		
Demonstrates with the use of semi-automatic measuring devices, the technique for carrying out this relatively simple and rapid procedure. Shows how large numbers of samples can be handled with ease.			
<b>GOLDEN GATE, THE</b>			
11 min, 16mm film, optical sd, col	1967		
Producer USIA	Agency No. 01-11411		
Title No. 364770	Rental: W/DRAWN Sale: W/DRAWN		
Presents a look at one of America's most charming cities by following the casual wanderings of a bemused tourist from Thailand. Portrays the winding streets, profusion of flowers, exotic shops, cable cars, easy-going inhabitants and, in general, the pervasive sense of well-being in San Francisco.			
<b>*GOOD NEIGHBOR FAMILY</b>			
17 min, 16mm film, optical sd, b&w			1943
Producer USCIAA			
Title No. 001732	Rental \$10.00		
Depicts the life of various groups and class in Latin America. Shows social and religious customs, and differences between North and South American cultures.			
<b>GOOD PLACE TO START, A</b>			
28 min, 16mm film, optical sd, col			1970
Producer USCSC			
Title No. 366050	Sale \$117.25		
Shows that the Federal government offers excellent career opportunities for high school and college graduates. Emphasizes the importance of the high school diploma.			
CLEARED FOR TV.			
<b>GOODBYE MRS PILGRIM</b>			
39 min, 16mm film, optical sd, b&w			1970
Producer USIA			
Title No. 366480	Rental: W/DRAWN Sale: W/DRAWN		
Documents the story of Lavalle, ST Louis, where Union Local 688 undertook a community wide rehabilitation job. Shows warm cooperation between people in order to mend areas of social damage.			
<b>GRAND CENTRAL MARKET</b>			
10 min, 16mm film, optical sd, b&w			1963
Producer USIA	Agency No. 01-02608		
Title No. 368180	Rental: W/DRAWN Sale: W/DRAWN		
Portrays, without narration or dialogue, activity in a Los Angeles, California, food store, Grand Central Market. Vendors,			

representing the melting pot that is America, are shown displaying and selling their wares to people of all ages and all walks of life.

#### GRAND ROUNDS

45 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1873-X  
Title No. 368200 Sale \$92.00

#### \*GRANULOMATOUS DERM-HYPODERMIS WITH PROGRESSIVE ATROPHY

10 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004537 Sale: W/DRAWN

#### \*GRASS - THE BIG STORY

29 min, 16mm film, optical sd, col 1953  
Producer USDA Agency No. 1144  
Title No. 368997 Sale \$108.00

Tells the story of grass, a crop that is indispensable for the production of beef and milk for an ever increasing population, for the improvement of the soil for growing other crops and for the termination of soil erosion, land waste and floods.

#### \*GREAT EXPECTATIONS

29 min, 16mm film, optical sd, col 1967  
Producer USSR  
Title No. 370599 Rental \$12.50 Sale \$175.00

Presents Bernard Posner, of the President's Committee on Employment of the Handicapped, telling people treated him when he posed as a mentally retarded laundry worker. A college student describes her experiences as a summer volunteer teaching retarded children.  
From the TO LIVE AGAIN series.

#### GREAT IS THE HOUSE OF THE SUN

21 min, 16mm film, optical sd, col 1968  
Producer USNASA Agency No. HQ144  
Title No. 001733 Sale \$85.75

Shows the study effects of the airglow phenomena and solar radiation in space, while other scientists prepare experiments to be flown aboard space satellites to study ultra-violet radiation.

#### \*GREATER ADVENTURE, THE

30 min, 16mm film, optical sd, col 1970  
Producer USAF Agency No. TF 6374  
Title No. 372204 Sale \$105.50

Shows right and wrong driving techniques by pointing out individual responsibilities. Compares hot-rod drivers to safe and sane drivers. Cautions the viewer to think before leaping in an emergency.

#### \*GREATEST GOOD, THE

11 min, 16mm film, optical sd, col 1950  
Producer USDA Agency No. 1066  
Title No. 372242 Sale \$50.00

Illustrates how the principles of forest conservation came into being and how they now influence the management of national forests. Provides views taken at Gifford Pinchot National Forest in the state of Washington.

#### \*GREATEST TREASURE, THE

20 min, 16mm film, optical sd, b&w 1957  
Producer USIA Agency No. 01-02595  
Title No. 372350 Rental: W/DRAWN Sale: W/DRAWN  
Describes the important activities, services and collections of the Library of Congress.

#### GREECE

18 min, 16mm film, optical sd, b&w 1955  
Producer USDOD Agency No. AFIF 0055  
Title No. 372425 Sale \$32.00

Reviews the history and culture of Greece, and describes her postwar recovery, current economic and social life, and position in NATO.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### \*GREEK - BASIC COURSE, VOL 1

17 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004065 Sale \$55.25  
Cassettes and accompanying text are both available for \$57.75.

#### OTHER FORMAT(S) OR VERSION(S)

32 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004066 Sale \$89.25  
Tape set and accompanying text are both available for \$91.75.

#### \*GREEK - BASIC COURSE, VOL 2

19 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004067 Sale \$61.75  
Cassettes and accompanying text are both available for \$62.75.

#### OTHER FORMAT(S) OR VERSION(S)

33 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004068 Sale \$91.75  
Tape set and accompanying text are both available for \$92.75.

#### \*GREEK - BASIC COURSE, VOL 3

6 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004069 Sale \$19.50  
Cassettes and accompanying text are both available for \$21.50.

#### OTHER FORMAT(S) OR VERSION(S)

11 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004070 Sale \$30.75  
Tape set and accompanying text are both available for \$32.75.

#### GREYHOUNDS OF THE SEA

26 min, 16mm film, optical sd, b&w 1967  
Producer USN Agency No. MN09726  
Title No. 373580 Sale \$45.50  
Documents the development of the destroyer from the earliest types through to modern nuclear missile destroyers. Narrated by Jack Webb.

#### GRID LIMITER

28 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-538  
Title No. 373600 Sale \$58.50  
Explains the purpose of each component in biased and unbiased grid limiters. Explains how limiting occurs and shows output waveshapes on an oscilloscope. Using a mock-up of a grid limiter and an oscilloscope, demonstrates the effect on limiting when bias is changed. (Kinescope)

#### GRID NAVIGATION - APPLICATION OF THEORY

12 min, 16mm film, optical sd, b&w 1958  
Producer USAF Agency No. TF01-5227B  
Title No. 001734 Sale \$22.25  
Shows in-flight procedures demonstrating the application of the Grid Navigation Theory. Key points covered include the importance of the pacing diagram, the scheduling of the navigator's actions, communications between the pilot and navigator, and the transition from one chart to another.

#### GRID NAVIGATION - INTRODUCTION AND THEORY

12 min, 16mm film, optical sd, b&w 1958  
Producer USAF Agency No. TF01-5227A  
Title No. 373605 Sale \$22.25  
Explains the basic factors of aerial navigation and the use of grid procedures in overcoming the problems of polar navigation. Covers special subjects including the use of the gyro, compensation for procession of the gyro, the Earth's converging meridians, the grid overlay, and calculations of the western and eastern hemispheres.

#### **GRINDING A DEEP HOLE**

18 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 078  
 Title No. 373850 Rental \$7.50 Sale \$32.00  
 Tells how to grind the backing pins and work-holding jaws of three-jaw chuck to hold the work-piece, set length of stroke and great-through, correct for taper and bellmouth and check a deep hole with a micrometer.  
 From the MACHINE SHOP series. Operations on the Internal Grinder, No. 2

#### **GRINDING A PARALLEL BAR, PT 1, SETTING UP THE MACHINE**

14 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 220  
 Title No. 373900 Rental \$7.50 Sale \$25.50  
 Shows how to mount a grinding wheel, to position the diamond tool and true the wheel, to operate a magnetic chuck and to use a grinder.  
 From the MACHINE SHOP WORK series. Operations on the Surface Grinder, No. 1

#### **GRINDING A PARALLEL BAR, PT 2, GRINDING OPERATIONS**

15 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 221  
 Title No. 373901 Sale \$27.00  
 Shows how to position the parallel bar, to rough-grind the opposite sides of the bar, to rough-grind adjacent sides at exact right angles and to finish-grind.  
 From the MACHINE SHOP WORK series. Operations on the Surface Grinder, No. 2

#### **GRINDING A PLAIN PIN, PT 1, THE GRINDING WHEEL**

17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 080  
 Title No. 373999 Rental \$7.50 Sale \$30.50  
 Discusses the cutting action of a grinding wheel, explaining how to select the correct grinding wheel, handle and mount the wheel on the collet and true and balance the wheel.  
 From the MACHINE SHOP WORK series. Operations on the Center-Type Grinder, No. 1

#### **GRINDING A PLAIN PIN, PT 2, GRINDING OPERATIONS**

17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 081  
 Title No. 374001 Rental \$7.50 Sale \$30.50  
 Explains how to lubricate and set up a center-type grinder, mount and adjust the workpiece for proper tension between centers, set the table reversing dogs and rough-grind a plain pin.  
 From the MACHINE SHOP WORK series. Operations on the Center-Type Grinder, No. 2

#### **GRINDING A SLENDER SHAFT WITH BACK REST**

17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 082  
 Title No. 374100 Rental \$7.50 Sale \$30.50  
 Explains how to select and set up a back rest, adjust the back rest during grinding, rough and finish-grind the long shaft, and check and adjust for taper.  
 From the MACHINE SHOP WORK series. Operations on the Center-Type Grinder, No. 3

#### **GRINDING A STRAIGHT HOLE**

18 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 077  
 Title No. 374150 Rental \$7.50 Sale \$32.00  
 Tells how to use a universal chuck, select the proper grinding wheel, adjust wheel speed, set the length of the stroke, set the cross-feed for automatic grinding and use a precision cross-feed for finish-grinding.  
 From the MACHINE SHOP WORK series. Operations on the Internal Grinder, No. 1

#### **GRINDING A STRAIGHT HOLE (SPANISH)**

18 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 077  
 Title No. 00173E Rental \$7.50 Sale \$32.00  
 Tells how to use a universal chuck, select the proper the

stroke, set the cross-feed for automatic grinding and use a precision cross-feed for finish-grinding.

From the MACHINE SHOPWORK series. Operation on the Internal Grinder, No. 1

#### **GRINDING A TAPER**

19 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 084  
 Title No. 374160 Rental \$7.50 Sale \$33.75  
 Shows how to prepare an arbor for grinding, mount and adjust the arbor between centers, adjust the swivel table and taper scale, rough- and finish-grind the taper, and check with the taper ring gage and light gage.  
 From the MACHINE SHOP WORK series. Operations on the Center-Type Grinder, No. 5

#### **GRINDING A TEMPLATE**

15 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 222  
 Title No. 374170 Rental \$7.50 Sale \$27.00  
 Shows how to mount and true the wheel, mount the sine bar on the table, set the sine bar for specified angles, set up the template on the sine bar, roughand finish-grind the template, and check the workpiece for accuracy.  
 From the MACHINE SHOP WORK series. Operations on the Surface Grinder, No. 4

#### **GRINDING A V BLOCK**

22 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 223  
 Title No. 374200 Rental \$7.50 Sale \$38.50  
 Explains how to set up a V block to grind the ends and the V, rough- and finish-grind the ends, establish reference points for grinding the V to precision dimensions and check the work for accuracy.  
 From the MACHINE SHOP WORK series. Operations on the Surface Grinder, No. 4

#### **GRINDING AND FACING A BLIND HOLE**

17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 079  
 Title No. 374250 Rental \$7.50 Sale \$30.50  
 Shows how to mount and dress wheels on the two-spindle grinder, prepare the diaphragm chuck, plunge-grind the bore and adjust for taper, and grind the shoulder and flange parallel and at right angles to the bore.  
 From the MACHINE SHOP WORK series. Operations on the Internal Grinder, No. 3

#### **GRINDING MULTIPLE-POINT CARBIDE TOOLS**

20 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 243  
 Title No. 374350 Rental \$7.50 Sale \$35.25  
 Shows how to resharpen by grinding a dull carbide milling cutter, how to grind individual teeth offhand, how to circle-grind and surface-grind, and how to finish surfaces and edges by honing.  
 From the MACHINE SHOP WORK series. Carbide Cutting Tools, No. 3

#### **GRINDING SINGLE-POINT CARBIDE TOOLS**

26 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 242  
 Title No. 374400 Rental \$10.00 Sale \$45.50  
 Semi-finish and finish-grind a dull tool, and shows how to rough-grind a chipped or broken tip, grind a newly brazed tool and a chip breaker.  
 From the MACHINE SHOP WORK series. Carbide Cutting Tools, No. 2

#### **GRINDING THIN DISCS**

15 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 224  
 Title No. 374450 Rental \$7.50 Sale \$27.00  
 Shows how to true the grinding wheel, load and operate the magnetic chuck, rough-grind the discs, finish-grind the discs to precision measurements and check for accuracy and parallelism.  
 From the MACHINE SHOP WORK series. Operations on the Surface Grinder, No. 5

**GRISCOM-RUSSELL - HOW IT WORKS, PT 1**

14 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MNO3706A  
 Title No. 374510 Sale \$25.50  
 Explains by animation the principles of operation of the low-pressure distilling plant (Griscom-Russell). Illustrates the development of a simple effect distilling plant, explaining the parts and their functions.

**GRISCOM-RUSSELL - HOW IT WORKS, PT 2**

19 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MNO3706B  
 Title No. 374511 Sale \$33.75  
 Explains by animation the parts, construction, and operation of a double effect distilling plant. Portrays a typical distilling plant, tracing by animation the flow of water, steam, vapor, and condensation through the system.

**GROSS RADIACTIVITY ANALYSIS OF WATER**

8 min, 16mm film, optical sd, col 1966  
 Producer USNMAC Agency No. M-1344  
 Title No. 374540 Sale \$19.50  
 The film shows gross alpha and beta counting of water samples involved in the preparation of two samples—one for the suspended solids, the other for the dissolved solids. Suspended solids are removed with a membrane filter apparatus connected to a vacuum.

**GROUND CONTROLLED APPROACH EQUIPMENT - SITING**

11 min, 16mm film, optical sd, b&w 1957  
 Producer USN Agency No. MN08480A  
 Title No. 374547 Sale \$19.25  
 Describes the siting and location of ground controlled approach equipment trailers at various runway locations.

**GROUND CONTROLLED APPROACH OF AIRCRAFT OPERATIONAL PROCEDURE**

38 min, 16mm film, optical sd, b&w 1949  
 Producer USN Agency No. MN06694  
 Title No. 374545 Sale \$65.25  
 Demonstrates the principles and operation of ground controlled approach (GCA) on the field and in a plane.

**GROUND HANDLING OF AIRCRAFT IN COLD WEATHER TAXIING, TOWING, AND SECURING**

16 min, 16mm film, optical sd, b&w 1953  
 Producer USN Agency No. MN07474B  
 Title No. 374360 Sale \$28.50  
 Tells how to taxi and tow aircraft under adverse conditions. Shows how to secure aircraft in cold weather, using tie-downs and plane covers.

**GROUND SAFETY ON THE FLIGHT LINE, PT 1**

10 min, 16mm film, optical sd, col 1956  
 Producer USAF Agency No. TF01-5047A  
 Title No. 374570 Sale \$34.00  
 Portrays the work of U.S. Air Force ground crews in servicing B-47's.

**GROUND SAFETY ON THE FLIGHT LINE, PT 2**

14 min, 16mm film, optical sd, col 1958  
 Producer USAF Agency No. TF01-5047B  
 Title No. 374571 Sale \$48.50  
 Portrays an investigation of the burning of a B-47 Air Force plane.

**\*GROW YOUR OWN**

16 min, 16mm film, optical sd, b&w 1945  
 Producer USDA Agency No. 938  
 Title No. 374900 Sale \$37.00  
 Tells the essentials of good gardening and how plants grow. Humorously explains 'don'ts' of gardening.

**GROWING UP AT THE TABLE**

23 min, 12 in. audiodesic, 33 1/3 rpm, monaural 1968  
 Producer USNMAC  
 Title No. 001736 Sale \$9.50  
 Includes phonograph records to accompany the filmstrips—growing up at the table - teaching feeding skills to the mentally retarded child at home and growing up at the table -

teaching feeding skills to the mentally retarded child in groups.

**GROWING UP AT THE TABLE - TEACHING FEEDING SKILLS TO MENTALLY RETARDED CHILDREN IN GROUPS**

52 fr, 35mm filmstrip, silent, col 1968  
 Producer USSR Agency No. F-1585-X  
 Title No. 001738 Sale \$5.50  
 Demonstrates techniques for teaching feeding skills to groups of children in institutions and day-care centers. This filmstrip may be purchased as a set with F-1584-X and an accompanying audiodisc for \$15.00.

**GROWING UP AT THE TABLE - TEACHING FEEDING SKILLS TO THE MENTALLY RETARDED CHILD AT HOME**

50 fr, 35mm filmstrip, silent, col 1968  
 Producer USSR Agency No. F-1584-X  
 Title No. 001737 Sale \$5.50  
 Demonstrates techniques for teaching feeding skills to a child in the home. Filmstrip may also be purchased as a set with F-1585-X and an accompanying audiodisc for \$15.00.

**GROWTH OF A LANGUAGE - AMERICAN ENGLISH**

29 min, 16mm film, optical sd, b&w 1960  
 Producer USA Agency No. 01-02499  
 Title No. 375402 Rental: W/DRAWN Sale: W/DRAWN  
 Reports the historical development of American English against a background of factors involved in language change and growth. Illustrates varieties of English spoken in many countries. Depicts each language as a 'melting pot' which borrows its vocabulary from other languages around the world.

**GUARD OF THE SKY - THE NORAD STORY**

15 min, 16mm film, optical sd, col 1959  
 Producer USAF Agency No. SFP 0580  
 Title No. 001776 Sale \$50.00  
 Shows an integrated command reporting to Washington and Ottawa, NORAD stands ready 24 hours a day, 365 days a year, to defend us from a would-be aggressor.

**GUARDING AGAINST SABOTAGE**

32 min, 16mm film, optical sd, b&w 1952  
 Producer USA Agency No. TF19-1740  
 Title No. 001777 Sale \$55.25  
 Discusses the techniques of sabotage—including fire, explosives, and mechanical means—and presents several case histories of sabotage.

**GUAYMAS STORY, THE**

27 min, 16mm film, optical sd, col 1967  
 Producer USNASA Agency No. HQ 165  
 Title No. 001778 Sale \$108.75  
 Depicts a visit to the NASA Tracking Station at Guaymas, Mexico, and a study of the relationship between the community and the space facility.

**GUIDANCE AND NAVIGATION**

7 min, 16mm film, optical sd, col 1969  
 Producer USNASA Agency No. AD U23  
 Title No. 376788 Sale \$29.25  
 A report on the problems of guiding the astronauts on their lunar voyage and the ways in which these problems are solved. Shows the special techniques used to guide the launch vehicle and the spacecraft from Earth to the Moon and back.  
 From the APOLLO DIGEST series.

**GUIDED BEND TEST, THE**

17 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 189  
 Title No. 376800 Rental \$7.50 Sale \$30.50  
 Shows how to prepare groove weld and fillet weld test specimens for the guided bend test. Shows how to make the test and describes causes of failure in bending.  
 From the WELDING PROCEDURES series. Testing, No. 1

**\*GUY**

18 min, 16mm film, optical sd, col

Producer USNIMH

Title No. 002098 Rental \$10.00

Sold only as part of a series. Presents the experiences of Guy, a 15-year-old Mexican-American who spends a great deal of time stoned on 'reds' (barbituates). Shows his flight into passivity, and escape from the realities of an ungiving environment. Poses the questions--why does he feel the need to escape? What should change in his surroundings to make his life more challenging? What are his ambitions, dreams, and feelings about himself? Where has he come from? Where is he going?

From the PROFESSIONAL DRUG FILMS series and Social Seminar Series.

**GYROSCOPE AND GRAVITATION, THE**

14 min, 16mm film, optical sd, b&amp;w

Producer USN

Title No. 001779

1944 Agency No. MN01792C

Sale \$25.50

Explains the theory and operation of pendulous and mercury ballistic type compasses, the effect of gravity on a gyroscope, and the operation of an arms pendulous compass and a Sperry mercury ballistic compass.

**HACKSAWS**

18 min, 16mm film, optical sd, b&amp;w

Producer USWD

Title No. 001780

1943 Agency No. TF09-2031

Sale \$32.00

Shows various types of hacksaws and discusses the uses of the blades. Illustrates the correct use of blades and tools on different types of metal work.

From the CARE AND USE OF HAND TOOLS series. No. 6

**HACKSAWS, PT 3**

5 min, 16mm film, optical sd, b&amp;w

Producer USN

Title No. 378028

1949 Agency No. MN07831C

Sale \$9.25

Explains the types of hacksaw blades in common use, and shows correct practice by close-ups of the cutting action of saw teeth in a variety of stock.

**HAIL, ALMA MATER**

6 min, 16mm film, optical sd, b&amp;w

Producer USA

Title No. 378050

1951 Agency No. MF45-7805

Sale \$13.25

Shows scenes of the U S Military Academy campus while the West Point Choir and Glee Club sing 'Hail, Alma Mater' and 'Army Blue.'

CLEARED FOR TV.

**HALF-WAVE AND FULL-WAVE RECTIFIERS - VACUUM TUBE**

36 min, 16mm film, optical sd, b&amp;w

Producer USAF

Title No. 378300

Agency No. TVK 30-402

Sale \$74.50

Discusses circuit operation of half-wave and full-wave rectifiers using diode vacuum tubes. Shows how to calculate voltages, output frequency, and peak inverse voltage of each circuit. (Kinescope)

**HALIFAX INCIDENT, THE**

6 min, 16mm film, optical sd, b&amp;w

Producer USN

Title No. 001781

1950 Agency No. MN00202A

Sale \$11.00

Shows how misinterpretation of ship's whistle signal caused the collision of the Halifax.

**HALLAM NUCLEAR POWER FACILITY**

20 min, 16mm film, optical sd, col

Producer USAEC

Title No. 001782

1963

Sale \$78.25

Shows the construction of the reactor at Hallam, Nebraska, built jointly by the Atomic Energy Commission and the Consumers' Public Power District of Nebraska. Uses animation to illustrate the plant operation and live footage to show the construction of the reactor containment vessel, its transportation from Philadelphia to Hallam, the fabrication of installation, and the operation of various components.

**\*HALLUCINOGENS**

20 min, audiotape cassette, 2-track, monaural

Producer USNIMH

Title No. 002099

Available only as a part of a series. Includes an examination of the questions of organic brain damage, chromosomal damage, and the use of LSD and other hallucinogenic drugs. From the PROFESSIONAL DRUG TAPE series.

**HAMMERS**

11 min, 16mm film, optical sd, b&amp;w

Producer USWD

Title No. 379300

1943

Agency No. TF09-2029  
Sale \$19.25

Explains the proper care and use of machinist's ball, straight and cross peen hammers, sledge hammer, and a carpenter's claw hammer.

From the CARE AND USE OF HAND TOOLS series. No. 4

**HAND SOLDERING**

20 min, 16mm film, optical sd, b&amp;w

Producer USOE

Title No. 379500

1944

Agency No. OE 479  
Rental \$7.50 Sale \$35.25

Explains the theory of soldering. Shows how to prepare soldering irons and torches, clean and prepare the work, fasten the joints, solder wire and lug joints and seal seams. From the ACCESSORY ASSEMBLY series. TOOLS and Procedures, No. 1

**HAND SOLDERING (SPANISH)**

20 min, 16mm film, optical sd, b&amp;w

Producer USOE

Title No. 001783

1944

Agency No. OE 479  
Rental \$7.50 Sale \$35.25

Explains the theory of soldering. Shows how to prepare soldering irons and torches, clean and prepare the work, fasten the joints, solder wire and lug joints and seal seams. From the ACCESSORY ASSEMBLY series. Tools and Procedures, No. 1

**HANDLE WITH CARE**

28 min, 16mm film, optical sd, b&amp;w

Producer USPHS

Title No. 379800

1965

Agency No. MIS-0968  
Rental \$10.00 Sale \$48.75

Shows the varied services received by selected mentally retarded people in the greater Los Angeles area. Stresses the importance of having a place on which the families of the mentally retarded can depend for early diagnosis and evaluation as well as for continued assistance. Narrated by Burt Lancaster.

**\*HANDLING AND STORING APPLES IN PALLET BOXES**

23 min, 16mm film, optical sd, col

Producer USDA

Title No. 003951

1959

Agency No. 1472  
Sale \$102.00

Presents the methods, devices, and equipment developed through 2 years of engineering research on handling and storing apples in pallet boxes. Pictures various design criteria for use in constructing pallet boxes and compares the use of such boxes with the conventional methods of handling apples in standard boxes. Shows and evaluates methods and equipment used in moving and handling apples in pallet boxes.

**\*HANDLING FRUITS AND VEGETABLE IN WHOLESALE WAREHOUSES**

25 min, 16mm film, optical sd, col

Producer USDA

Title No. 003952

1961

Agency No. 1491  
Sale \$114.00

Demonstrates efficient materials-handling systems and warehouse designs for wholesale distributors of fresh fruits and vegetables. Five systems for receiving and storing, three for assembly and truck loading are presented. Low-cost handling methods are described for a variety used types of material handling equipment.

**HANDLING LIVESTOCK FOR MARKET**

21 min, 16mm film, optical sd, b&amp;w

Producer USOE

Title No. 380050

1945

Agency No. OE 459  
Rental \$7.50 Sale \$37.00

Examines causes of losses in marketing livestock. Explains

how to prevent injury to livestock on the farm--before shipment, when loading, and during shipment.

From the FARM WORK series. Livestock, No. 3

\*HANDLING LIVESTOCK SAFELY

10 min, 16mm film, optical sd, col 1965  
Producer USDA Agency No. 4949  
Title No. 003953 Sale \$47.00  
Shows hazardous obstacles to avoid in handling and transporting livestock.

HANDS OF ACTION

40 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1455-X  
Title No. 001784 Sale \$133.75  
Depicts a doctor instructing ambulance attendants in emergency medical care. Using laymen's language and graphic examples, the doctor explains the recommended procedure for handling the following--(1) blocked airways, (2) bleeding, (3) open wounds, and (4) broken bones.

HANDWASHING IN PATIENT CARE

15 min, 16mm film, optical sd, col 1961  
Producer USCDC Agency No. M-0462  
Title No. 380225 Sale \$51.75  
Demonstrates the importance of the conscientious practice of hand washing in order to avoid transmission of pathogens.

HANDWASHING IN PATIENT CARE (SPANISH)

15 min, 16mm film, optical sd, col 1961  
Producer USPHS Agency No. M-1045-SP  
Title No. 006386 Sale \$51.75  
Shows the importance of the conscientious practice of hand washing to avoid the transmission of pathogens.

\*HANDYMAN, THE

11 min, 16mm film, optical sd, col 1966  
Producer USIA Agency No. 01-02685  
Title No. 380255 Rental \$7.50 Sale: W/DRAWN  
Discusses the 'Do-it-yourself' phenomenon in the United States and how American industry meets the demands for inexpensive efficient tools and equipment for laborer and homeowner.

HARD ONES, THE

15 min, 16mm film, optical sd, col 1965  
Producer USNASA Agency No. HQ 120  
Title No. 001785 Sale \$61.50  
Shows the difficulties and problems encountered in designing, building, and operating unmanned satellites for scientific research and practical applications such as communications and weather forecasting.

\*HARDEST WORKING DOLLAR, THE

15 min, 16mm film, optical sd, col 1971  
Producer USDL  
Title No. 002100 Rental \$10.00 Sale \$68.00  
Describes what the Unemployment Insurance Program means to the American worker, employer, government, and the economy.

From the CAREER JOB OPPORTUNITY FILM series.

HARDNESS TESTING - ROCKWELL

18 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 149  
Title No. 381260 Rental \$7.50 Sale \$32.00  
Describes the need for hardness testing and tells how to--set up the Rockwell hardness tester, select and seat the penetrator, select and mount the anvil, adjust the timing of the machine, and test flat and curved surfaces.  
From the AIRCRAFT WORK series. Inspection, No. 5

HARVEST OF AN ATOMIC AGE

14 min, 16mm film, optical sd, col 1963  
Producer USIA Agency No. 01-02521  
Title No. 382825 Rental: W/DRAWN Sale: W/DRAWN  
Reports on research with atom-irradiated seeds to develop bigger and disease-and-weather-resistant crops. Shows progress by U S scientists in creating new types of plants and practical results on farms.

\*HARVEST OF COOPERATION

20 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 3238-2  
Title No. 382630 Sale \$89.00  
Shows that much of the success of American agriculture can be attributed to the initiative of U S farmers in solving their farm problems and to the assistance they receive from co-operatives and governmental agencies.

HARVEST OF LEARNING

31 min, 16mm film, optical sd, b&w 19LU  
Producer USIA  
Title No. 382650 Rental: W/DRAWN Sale: W/DRAWN  
Explains the role of 88 land-grant colleges in U S education. Includes their history and development which is based upon equality of educational opportunity, a variety of courses of study, and important extension services and adult education.

\*HAULAGE SAFETY IN LOW-COAL MINES

15 min, 16mm film, optical sd, col 1971  
Producer USBM  
Title No. 003554 Sale \$58.25  
Dramatically pictures how accidents can be prevented or can happen in the underground transportation of men, coal, and supplies through tunnels in 'low' coal.  
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4000 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

\*HAUSA - BASIC COURSE

15 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004071 Sale \$48.75  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.  
OTHER FORMAT(S) OR VERSION(S)  
30 1/4 in. audiotape, full-track, monaural  
Producer USFSI  
Title No. 004072 Sale \$83.50  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

HAZARDS IN GROUND OPERATION OF JET AIRCRAFT

5 min, 16mm film, optical sd, col 1950  
Producer USN Agency No. MN04353P  
Title No. 384350 Sale \$18.00  
Explains through animation the exhaust blast, suction, and cooling hazards of jet propelled aircraft. Shows safety precautions to prevent injury to personnel and damage to jet engines.

\*HAZARDS OF CHURN DRILLING

23 min, 16mm film, optical sd, col 1957  
Producer USBM  
Title No. 003570 Sale \$89.75  
Describes the churn drilling operations in surface ore mining. Shows the drilling hazards and the incorrect unsafe work procedures. Presents the safe methods of drilling and emphasizes the need for the constantly alert workmen.  
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4000 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

\*HAZARDS OF TIRE HYDROPLANING TO AIRCRAFT OPERATION

15 min, 16mm film, optical sd, col 1963  
Producer USNASA Agency No. HQA-112  
Title No. 002101 Sale \$64.25  
Explains the phenomena of tire hydroplaning, under what

conditions it occurs and the resulting hazards to aircraft operations. Emphasizes the hazards of a wet runway. Based on tire studies at the Langley Research Center.

#### HEAD OF THE HOUSE

40 min, 16mm film, optical sd, b&w 1954  
Producer USIA

Title No. 384465 Rental: W/DRAWN Sale: W/DRAWN  
A story of community action to solve a problem in mental health. Shows how a social worker, a policeman and a minister can join forces to help a young boy and his parents through serious troubles of adolescence.

#### HEAD START TO CONFIDENCE

22 min, 16mm film, optical sd, b&w  
Producer USOE

Title No. 384490 Sale \$28.00  
Illustrates the need for every child to have a sense of his own importance and worth as a person. Shows a teacher's various means of building the self-confidence of pre-school children through controlled achievement, language, and performance of useful tasks.

#### HEADBANGERS, THE

30 min, 16mm film, optical sd, b&w 1965  
Producer USPHS Agency No. AM-1411

Title No. 384480 Sale \$52.00  
Describes a treatment program for retarded, severely self-destructive children. Pictures several institutionalized children who manifest such behavior through the symptom of head-banging, one of whom blinded himself and was subsequently placed in a special study unit. Emphasizes the persistent, co-operative effort to the staff and therapist as the primary mode of treatment.

#### HEADQUARTERS U.S.A.

30 min, 16mm film, optical sd, b&w 1955  
Producer USDOD Agency No. AFIF 0070

Title No. 384580 Sale \$52.00  
Portrays a tour taken by a group of servicemen through Washington, D.C., covering highlights such as the White House, the Capitol, the Washington, Lincoln, and Jefferson Memorials, the National Archives, and the Tomb of the Unknown Soldier.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### HEALTH HAZARDS OF PESTICIDES

14 min, 16mm film, optical sd, col 1958  
Producer USNMAC Agency No. M-0204

Title No. 001786 Sale \$48.50  
Emphasizes the potential public health hazards resulting from the widespread use of pesticides, explains the work of the Communicable Disease Center's toxicology laboratories in measuring this hazard, and makes recommendations for the safe use of pesticides.

#### HEALTHFUL LIVING IN EMERGENCIES

28 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0797

Title No. 385175 Sale \$93.00  
Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.

From the MEDICAL SELF-HELP series.

RESTRICTIONS—ORGANIZATIONS WISHING TO PURCHASE THIS FILM MUST FIRST REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, 2007 BELMONT ROAD, WEST HYATTSTOWN, MARYLAND 21762. AFTER PERMISSION HAS BEEN OBTAINED THE PURCHASER MAY DEAL DIRECTLY WITH THE NATIONAL AUDIOVISUAL CENTER.

#### HEALTHIER PLACE TO LIVE, A

11 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0825

Title No. 001787 Sale \$45.25  
Focuses on housing and other environmental conditions of camps, shows safeguards workers can take against such health hazards as pests, dirt, unsafe water. Intended to

stimulate discussion of health in camps, and responsibility of each group-workers, growers, and others.

FOR USE WITH SEASONAL CROP WORKERS AND THEIR FAMILIES.

#### HEALTHIER PLACE TO LIVE, A (BLACK CAST)

11 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. M-0728

Title No. 385200 Sale \$19.25

Focuses on housing and other environmental conditions of camps, shows safeguards workers can take against such health hazards as pests, dirt, and unsafe water. Intended to stimulate discussion of health in camps, and responsibility of each group-workers, growers, and others.

#### HEALTHIER PLACE TO LIVE, A (SPANISH-AMERICAN CAST - SPANISH)

11 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0934-SP

Title No. 001788 Sale \$47.00

Focuses on housing and other environmental conditions of camps, shows safeguards workers can take against such health hazards as pests, dirt, and unsafe water. Intended to stimulate discussion of health in camps, and responsibility of each group-workers, growers, and others.

#### HEART RESEARCH NEWS

15 min, 16mm film, optical sd, b&w 1962  
Producer USNMAC Agency No. MIS-0687

Title No. 001789 Sale \$27.00

A nine-part newssheet presenting news reports of recent work conducted or supported by the National Heart Institute--(1) high blood pressure drug, (2) countershock, (3) diet and heart disease, (4) counterpulsation, (5) conduction system locator, (6) aging, (7) fetal EKG, (8) microsurgery, and (9) artificial heart.

#### HEARTBEAT

29 min, 16mm film, optical sd, b&w 1964  
Producer USPHS Agency No. MIS-896

Title No. 386125 Rental \$10.00 Sale \$60.50

Shows progress in combating heart disease around the world, from surgical research in modern city hospitals to studies in rural clinics. Focuses on the work of the National Heart Institute. Filmed in Uganda, Peru, Lebanon, Japan, East Pakistan and the United States. (Co-sponsored by National Institutes of Health)

#### \*HEARTBEAT OF BUSINESS, THE

15 min, 16mm film, optical sd, col 1971  
Producer URSBA

Title No. 001428 Rental \$10.00 Sale \$53.50

Dramatizes through conversations between two fictional businessmen the importance of good financial management.

#### HEAT DISORDERS - GENERAL EFFECTS OF HEAT ON MAN

22 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF0827R2

Title No. 001790 Sale \$38.50

Describes the causes, symptoms, treatment, and prevention of the three major heat disorders that may be encountered by troops when living and working in extremely hot climates—heat cramps, heat exhaustion, and heat stroke.

#### HEAT TREATMENT OF ALUMINUM, PT 1

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 344

Title No. 386850 Rental \$7.50 Sale \$33.75

Describes the purpose of heat treatment, microstructure changes during heat treatment, the procedure of heat treatment and the effects on physical properties of aluminum.  
From the ENGINEERING series.

#### HEAT TREATMENT OF ALUMINUM, PT 2

24 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 345

Title No. 386851 Rental \$10.00 Sale \$42.25

Explains the nature of cold working operations, crystalline structure of aluminum alloys, ship planes and deformation and microstructure changes.  
From the ENGINEERING series.

**HEAVY PARTICLE BEAMS IN MEDICINE**

11 min, 16mm film, optical sd, col 1964

Producer USAEC

Title No. 001791

Sale \$38.00

Surveys the historical development of the medical uses of cyclotrons. Shows the unique properties of accelerator-produced heavy particles of cyclotrons in nuclear medicine in providing creditable results in the treatment of acromegaly, Cushing's disease, and diabetic retinitis. Discusses the Bragg effect of alpha particle radiation in the direct treatment of tumors of the brain and soft tissue.

**\*HELIOTRON - BASIC COURSE**

35 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004073

Sale \$113.75

Cassettes and accompanying text are both available for \$119.75.

**OTHER FORMATS OR VERSIONS**

61 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004074

Sale \$169.75

Tape set and accompanying text are both available for \$174.75.

**HEIGHT GAUGES AND TEST INDICATORS**

12 min, 16mm film, optical sd, b&amp;w

1941

Producer USOE

Agency No. OE 005

Title No. 387400

Rental \$7.50 Sale \$22.25

Reading of the vernier scale as used on a height gauge. Shows several forms of test indicators and demonstrates their use.

**HELICOPTER - ARCTIC OPERATIONS**

29 min, 16mm film, optical sd, col

1958

Producer USAF

Agency No. TF01-5102A

Title No. 387530

Sale \$97.75

Demonstrates techniques and procedures necessary for safe helicopter operations in the Arctic.

**HELICOPTER - EMERGENCY PROCEDURES, PT 1, BLADE STALLS**

12 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102G

Title No. 387544

Sale \$22.25

Shows emergency procedures to be followed during blade stalls. Explains stall areas, angle of pitch, recovery procedures, reverse flow, weight, turbulence, high density altitudes, G forces, and lift and drag factors.

**HELICOPTER - EMERGENCY PROCEDURES, PT 2, EMERGENCY PROCEDURES IN THE H-13**

12 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102H

Title No. 387545

Sale \$22.25

Demonstrates emergency procedures in case of blade stall, turbulence, loss of directional control, loss of fan belt, and mechanical failure.

**HELICOPTER - EMERGENCY PROCEDURES, PT 3, EMERGENCY PROCEDURES IN THE H-13**

8 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102I

Title No. 387546

Sale \$14.25

Demonstrates emergency procedures such as recovery from stalls, settling with power, blade and servo stalls, and emergency landings. Explains techniques of ditching with passengers.

**HELICOPTER - MOUNTAIN OPERATIONS**

25 min, 16mm film, optical sd, col

1957

Producer USAF

Agency No. TF01-5102B

Title No. 387510

Sale \$84.75

Describes techniques and procedures necessary to the safe operation of helicopters in mountainous terrain. Shows pre-flight plans and precautionary measures, cargo loading, sling loads, power conservation through maximum utilization of mountain winds, and turbulence and similar obstacles encountered in mountain operations. Shows an actual flight of two H-19's to explain safe approaches and take-offs.

**HELICOPTER - VIBRATIONS AND RESONANCE, PT 1, VIBRATIONS IN THE H-13**

12 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102C

Title No. 387600

Sale \$22.25

Explains various types of vibration in the H-13 helicopter and how to determine the cause of each. Through animation, describes and traces to the cause each tell-tale vibration. Explains low, medium, and high frequency vibrations.

**HELICOPTER - VIBRATIONS AND RESONANCE, PT 2, VIBRATIONS IN THE H-19**

7 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102D

Title No. 387601

Sale \$12.50

Demonstrates vibrations in the H-19, and checks to determine the causes, including medium and high frequency vibration, blades out of track, improper torque, internal malfunctions, main and tail rotor assembly, tail rotor drive shaft, etc.

**HELICOPTER - VIBRATIONS AND RESONANCE, PT 3, VIBRATIONS IN THE H-21**

15 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102E

Title No. 387602

Sale \$9.25

Tell-tale vibrations in the H-21 are demonstrated, and traced to the cause.

**HELICOPTER - VIBRATIONS AND RESONANCE, PT 4, GROUND RESONANCE**

8 min, 16mm film, optical sd, b&amp;w

1957

Producer USAF

Agency No. TF01-5102F

Title No. 387603

Sale \$14.25

Demonstrates by animation the techniques required to avoid ground resonance caused by severe oscillation, unbalanced rotor system, low strut, low tire, faulty loading, ect.

**HELICOPTER MAINTENANCE, PT 3, INTRODUCTION TO POWER TRAINS**

15 min, 16mm film, optical sd, b&amp;w

1957

Producer USA

Agency No. TF55-2310

Title No. 387560

Sale \$27.00

Discusses the function, major components, and operation of the single rotor type power train in the H-19 helicopter, and the tandem rotor type power train in the H-21 helicopter.

**\*HELICOPTER MANAGEMENT**

25 min, 16mm film, optical sd, col

1968

Producer USDA

Agency No. 7256

Title No. 003785

Sale \$120.00

The helicopter is widely used in all phases of forest fire control work. This training film is designed to assist personnel in planning, organizing, and directing helicopter operations safely and efficiently.

**\*HELICOPTER MANAGEMENT (SPANISH)**

25 min, 16mm film, optical sd, col

1968

Producer USDA

Agency No. 7256-S

Title No. 003786

Sale \$120.00

The helicopter is widely used in all phases of forest fire control work. This training film is designed to assist personnel in planning, organizing, and directing helicopter operations safely and efficiently.

**HELICOPTER ORIENTATION - INTRODUCTION TO HELICOPTERS**

20 min, 16mm film, optical sd, b&amp;w

1958

Producer USA

Agency No. TF46-2554

Title No. 387573

Sale \$35.25

Depicts the historical development of the helicopter from the fifteenth century to the present and shows several types of helicopters in use by the military services as well as some experimental models. Discusses basic helicopter flight principles, including gravity, lift, thrust, drag, torque, dissymmetry of lift, and the effects of collective and cyclic pitch change. Shows flight control in a typical helicopter and some civil and military applications of the helicopter.

**HELICOPTER ORIENTATION - INTRODUCTION TO ROTARY WING FLIGHT**

27 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN07306A  
Title No. 387577 Sale \$47.00  
Explains the history of helicopter development, the uses and versatility of the helicopter, and the basic aerodynamic principles as applied to helicopter flight. Uses animation to show the effect of density altitude and to illustrate aerodynamic principles.

**HELICOPTER ORIENTATION - OPERATION OF THE SINGLE MAIN ROTOR HELICOPTER**

19 min, 16mm film, optical sd, b&w 1952  
Producer USN Agency No. MN07306B  
Title No. 387579 Sale \$33.75  
Shows the procedure used in pre-fighting the helicopter from the pilots' viewpoint. Demonstrates how the controls are used in flight and the effects of applying the different controls. Illustrates starting the engine and shows procedures used in checking engine operation before take-off. Stresses location of, and proper indications of, all instruments. Shows how to secure the helicopter after flight.

**HELICOPTER ORIENTATION - THE BASIC ANATOMY OF THE HELICOPTER**

15 min, 16mm film, optical sd, b&w 1952  
Producer USN Agency No. MN07306C  
Title No. 387575 Sale \$27.00  
Illustrates main component parts of the HTL-5 helicopter. Shows in animated diagrams the fuel, electrical, and basic flight-control systems.

**HELICOPTER SPECIAL DELIVERY**

11 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. MF45-7945  
Title No. 387581 Sale \$19.25  
Portrays a river crossing effected through the use of a helicopter company, in which the 'Whirlybirds' not only deliver men, and ammunition, but also carry back the wounded.

**\*HELICOPTERS IN FIRE CONTROL**

13 min, 16mm film, optical sd, col 1960  
Producer USDA Agency No. 1448  
Title No. 003955 Sale \$62.00  
The small helicopter has demonstrated a wide utility in fire control. Shows the various ways in which it has proved valuable and how its use must be wisely managed by personnel and coordinated with other air and ground equipment.

**HELL FOR LEATHER**

10 min, 16mm film, optical sd, b&w 1946  
Producer USA Agency No. CMF45-1278  
Title No. 387623 Sale \$17.50  
Depicts the history of the U S 1st Cavalry Division, particularly during World War II.

**HELL ON WHEELS**

17 min, 16mm film, optical sd, b&w 1951  
Producer USA Agency No. CMF017-7864  
Title No. 008387 Sale \$30.50  
Cover the highlights in the history of the 2nd Armored Division.

**\*HELPING TEACHERS TO UNDERSTAND CHILDREN, PT 1**

21 min, 16mm film, optical sd, b&w 1953  
Producer USIA  
Title No. 388350 Rental: W/DRAWN Sale: W/DRAWN  
Presents the story of the work of the Institute for Child Study at the University of Maryland. Shows how a school faculty may set up a local Child Study program and receive guidance and aid from the institute.

**\*HELPING TEACHERS TO UNDERSTAND CHILDREN, PT 2**

25 min, 16mm film, optical sd, b&w 1953  
Producer USIA  
Title No. 388351 Rental: W/DRAWN Sale: W/DRAWN  
Describes a summer workshop at the Institute for Child Study at the University of Maryland. Shows activities that aid in making the group more aware of the forces that affect a

Child's personality, his approach to other children and his school studies.

**HEMAGGLUTINATION TEST FOR ECHINOCOCCOSIS**

6 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0858  
Title No. 001792 Sale \$21.25  
Demonstrates a modified tube hemagglutination test for diagnosis of echinococcosis.

**HEMATOLOGICAL TECHNIQUE - COLLECTING BLOOD SAMPLES**

7 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN09375A  
Title No. 001793 Sale \$24.50  
Demonstrates how to collect blood samples from the finger.

**HEMATOLOGICAL TECHNIQUE FOR CHARGING THE HEMOCYTOMETER**

6 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN09375B  
Title No. 001794 Sale \$21.25  
Demonstrates how to take a blood count of red and white corpuscles.

**\*HEMIMANDIBULECTOMY AND IMMEDIATE RESTORATION WITH ACRYLIC IMPLANT**

25 min, 16mm film, optical sd, col 1954  
Producer USVA  
Title No. 005291 Sale: W/DRAWN  
Presents a case of adamantinoma and demonstrates the resection of the left hemimandible including the condyle, and the immediate implantation of an acrylic prosthesis.

**HEMIPARETIC PATIENT, THE - CHANGING POSITION IN BED**

8 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1550  
Title No. 001795 Sale \$26.00  
Shows how the hemiparetic patient is taught to move from side and to roll over.

**HEMIPARETIC PATIENT, THE - IN AND OUT OF CAR - PATIENT WALKING WITH CANE**

3 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. M-1782  
Title No. 388527 Sale \$14.00  
Demonstrates the use of a cane in entering and leaving a car.

**HEMIPARETIC PATIENT, THE - SITTING UP AND LYING DOWN IN BED**

8 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1556  
Title No. 001796 Sale \$27.75  
Shows how the hemiplegic patient learns to sit up and lie down.

**HEMIPARETIC PATIENT, THE - TRANSFER FROM WHEEL-CHAIR TO CAR AND REVERSE**

4 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. M-1781  
Title No. 388528 Sale \$17.75  
Demonstrates the transfer between wheelchair and car.

**HEMIPLEGIC PATIENT, THE, PT 2, BED POSITIONING OF THE ACUTE HEMIPLEGIC PATIENT**

8 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1109  
Title No. 001797 Sale \$26.00  
Shows how to position hemiplegic patient in a bed, how to use pillows to brace body areas.

**HEMIPLEGIC PATIENT, THE, PT 3, EVALUATION OF THE HEMIPLEGIC PATIENT FOR STANDING**

8 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1110  
Title No. 001798 Sale \$26.00  
Demonstrates muscle testing techniques used to evaluate a hemiplegic's capability to stand.

<b>HEMIPLEGIC PATIENT, THE, PT 4, PASSIVE RANGE OF MOTION</b>		
9 min, 16mm film, optical sd, col Producer USNMAC Title No. 001799	1966 Agency No. M-1111 Sale \$29.25	
Shows correct techniques used in passive range of motion activities with a hemiplegic patient.		
<b>HEMOLYTIC SYNDROME, THE</b>		
32 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 388620	1969 Agency No. T-1506 Sale \$66.50	
Shows that this syndrome is best defined by the three major components involved in its makeup--destructive reaction jaundice, compensatory reaction reticulocytosis, and decompensation anemia. Discusses differentiation between this and other similar syndromes giving the necessary tests for making a positive diagnosis--Coombs test, bone marrow examination, and bilirubin measurement. (Kinescope)		
<b>HEMOLYTIC TRANSFUSION REACTIONS</b>		
30 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 388623	1968 Agency No. T-1497 Sale \$61.25	
Reviews transfusion reactions from the initial source of error to their consequences. Discusses intravascular hemolysis, acute renal failure, hemorrhagic diathesis, and mannitol. (Kinescope)		
<b>HEMOPHILIOID DISORDERS-CLINICAL, THE</b>		
38 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 388625	1969 Agency No. T-1699 Sale: W/DRAWN	
Discusses the factors involved in hereditary bleeder states due to deficiencies of plasma procoagulants. Mentions clotting factors, common synonyms, and associated hemorrhagic disorders with emphasis on clinical patterns. (Kinescope)		
<b>HEPATIC FUNCTION TESTS, PT 1</b>		
31 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 389670	1970 Agency No. T-1779 Sale \$63.50	
Presents general aspects of and classification of liver function tests, bilirubin metabolism, and defects in various types of jaundice. (Kinescope)		
<b>HEPATIC FUNCTION TESTS, PT 2</b>		
30 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 389671	1970 Agency No. T-1966 Sale \$62.50	
Discusses tests based on disturbances of intermediary metabolism of carbohydrates, proteins, lipids, and bile acids. (Kinescope)		
<b>HEPATIC FUNCTION TESTS, PT 3</b>		
26 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 389672	1970 Agency No. T-1967 Sale \$54.75	
Discusses tests based on conjugating and excreting capacity of the liver. (Kinescope)		
<b>HEPATIC FUNCTION TESTS, PT 4</b>		
31 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 389673	1970 Agency No. T-1968 Sale \$64.25	
Presents the role of serum enzyme levels in the diagnostic approach to liver disease. (Kinescope)		
<b>HEPATIC FUNCTION TESTS, PT 5</b>		
17 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 389674	1970 Agency No. T-1969 Sale \$36.75	
Discusses relative usefulness of various types of liver function tests in diagnosis and management of hepatic disease. (Kinescope)		

<b>HERE'S HELP</b>		
29 min, 16mm film, optical sd, col Producer USNIMH Title No. 390180	1970 Agency No. AFIF 0124 Sale \$96.25	
Summarizes treatment and rehabilitation programs for drug abusers.		
<b>HERITAGE OF FREEDOM</b>		
38 min, 16mm film, optical sd, b&w Producer USA Title No. 390820	1963 Agency No. AFIF 0124 Sale \$65.25	
Four portrayals, which delineate the beginnings and background in the growth of liberty.		
<b>HERITAGE OF THE CORPS</b>		
15 min, 16mm film, optical sd, col Producer USMC Title No. 390850	1963 Agency No. MH08781 Sale: W/DRAWN	
Shows the Marine Corps Evening Parade at Marine Corps Barracks, Washington, D C, performance by the Marine Corps Band, the Drum and Bugle Corps, and the Drill Team and Troops.		
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.		
<b>*HERITAGE OF THE PLAINS</b>		
19 min, 16mm film, optical sd, col Producer USDA Title No. 003956	1968 Agency No. 4045-3 Sale \$95.00	
Tells the story of the four American families in the Great Plains and how they cooperate with the Dept of Agriculture and the soil conservation regions in making land and income more stable and their environment more livable.		
<b>*HERITAGE RESTORED</b>		
14 min, 16mm film, optical sd, col Producer USDA Title No. 390875	1962 Agency No. 1574 Sale \$66.00	
Presents an eternally inspiring story of the development of our National Forests. These forests provide America with water and wood products for home and industry, shelter and forage for wildlife and livestock, and outdoor recreation for people.		
<b>HIDDEN HAZARDS, THE</b>		
28 min, 16mm film, optical sd, b&w Producer USPHS Title No. 391450	1964 Agency No. MIS-751 Sale \$48.75	
The protection of the American working force from these hazards is a challenge to medical and health science. Emphasizes a wide new career area for those interested in medical and related sciences.		
<b>HIGH ACTIVITY WASTE</b>		
17 min, 16mm film, optical sd, col Producer USAEC Title No. 001851	1964 Agency No. MIS-751 Sale \$53.25	
Describes newly developed methods for disposing of high activity waste from nuclear power industries. Discusses the techniques of solidifying high activity wastes until their volume is chemically inert and of producing glass-like solids from powdered wastes and from liquids. Discusses the use of salt mines for disposal of solid waste.		
<b>HIGH ALTITUDE, HIGH SPEED, FLIGHT PROBLEMS PHYSIOLOGICAL EFFECTS</b>		
23 min, 16mm film, optical sd, col Producer USN Title No. 001852	1952 Agency No. MN06915A Sale \$78.25	
Describes physiological effects on the pilot of flight at high altitude and high speeds. Explains the operation of oxygen equipment, cabin pressurization and ventilation. 'G' suits, and escape methods. Demonstrates oxygen equipment, pre-flight and inflight checks.		
<b>HIGH ENERGY PARTICLE ACCELERATORS</b>		
30 min, 16mm film, optical sd, col Producer USAEC Title No. 001853	1958 Agency No. MN06915A Sale: W/DRAWN	
Surveys the work of particle accelerators in highenergy physics, shows the major accelerator installations in the		

United States, the major accelerators under construction, and a series of typical experiments with high-energy particles. Explains, with live action and animation, the components and operations of various types of accelerators and gives a description of bubble chambers.	
<b>HIGH ENERGY PEOPLE, THE</b>	
5 min, 16mm film, optical sd, col Producer USAEC Title No. 001854	1963 Sale \$21.00
Describes the problems and tools of high energy physics as illustrated by the results of work with the zero gradient synchrotron, the spark chamber, and the automatic camera. Examines and analyzes photographs of tracks of sub-atomic particles which were taken by an automatic camera.	
<b>HIGH ENERGY PHYSICS RESEARCH</b>	
23 min, 16mm film, optical sd, col Producer USAEC Title No. 001855	1964 Sale \$75.00
Discusses the current understanding of subnuclear particles and nuclear forces as revealed by studies conducted on some 20 very high energy accelerators. Surveys the status of high energy physics research in the United States.	
<b>HIGH FREQUENCY SOLDERING</b>	
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 391850	1944 Agency No. OE 480 Rental \$7.50 Sale \$30.50
Discusses the theory of high frequency heating. Explains how to select a work coil and leads, tune a converter, determine correct soldering time and temperature, and use an automatic timer.	
From the ACCESSORY ASSEMBLY series. Tools and Procedures, No. 2	
<b>*HIGH JOURNEY</b>	
38 min, 16mm film, optical sd, col Producer NATO Title No. 002103	1969 Rental \$12.50 Sale \$152.75
Filmed entirely from the air--from the North Cape to the Bosphorus-reveals the features, ancient capitals and historic lands in a new dimension, as the pinnacles of Notre Dame, the Alps with Mont Blanc and the slopes of the Acropolis reach upwards towards the camera. Describes the ceaseless watch maintained by the NATO air forces for the security of the air. Narrated by Orson Welles.	
<b>HIGH-TEMPERATURE SHORT-TIME PASTEURIZATION INSPECTION AND TESTING</b>	
25 min, 16mm film, optical sd, col Producer USPHS Title No. 393155	1969 Agency No. M-0391 Sale \$84.75
Designed to train inspection personnel in the procedures for testing the functioning and accuracy of high-temperature short-time pasteurization controls, in accordance with the standard milk ordinance.	
<b>HIGHLIGHTS OF HEART RESEARCH</b>	
8 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 001856	1962 Agency No. MIS-0701 Sale \$14.25
A five-part newsreel showing highlights of research supported or conducted by the National Heart Institute--(1) transseptal catheterization, (2) continuous electrocardiography, (3) nibbling chickens and atherosclerosis, (4) Framingham Heart Study, (5) stroke surgery.	
<b>HIGHWAY BRIDGE RESEARCH</b>	
19 min, 16mm film, optical sd, col Producer USFHWA Title No. 392900	1964 Sale \$63.25
Shows methods used in conducting strain research on steel and reinforced concrete bridges. Shows details on installation of gauges, wiring, and instrumentation. Shows operation, explains equipment, and gives results.	
<b>HIGHWAY SOIL ENGINEERING</b>	
110 min, 16mm film, optical sd, col Producer USFHWA Title No. 393125	1950 Sale: W/DRAWN
Illustrates methods employed for surveying and sampling in the field, and testing in the laboratory the subgrade soils encountered in highway construction. The tests are those used by Public Roads and many State Highway Departments in accordance with standards adopted by the American Association of State Highway Officials.	
<b>HIGHWAYS ARE FOR PEOPLE</b>	
27 min, 16mm film, optical sd, col Producer USFHWA Title No. 393164	1968 Rental \$12.50 Sale \$91.25
Stresses the beneficial role of highways in the development of the United States. Points out the ability of highways not only to meet national transportation needs, but to serve and harmonize with our nation's efforts to improve its environment. Demonstrates that sound state planning, public-minded programming, and imaginative design are contributing to the continuing improvement of the Federal-Aid Highway System.	
<b>HIMALAYAN AWAKENING</b>	
40 min, 16mm film, optical sd, col Producer USIA Title No. 393300	1957 Agency No. 48-12248 Rental: W/DRAWN Sale: W/DRAWN
Explores Nepal's cultural, social and political background, and her 20th century economic progress and planned development with Indian and American aid.	
<b>HISTOPATHOLOGICAL TECHNIQUE - PROCESSING A GROSS SPECIMEN</b>	
10 min, 16mm film, optical sd, col Producer USN Title No. 001857	1954 Agency No. MN09375D Sale \$34.00
Demonstrates the methods involved in preparing and freezing a gross specimen.	
<b>HISTOPLASMOSIS - MASON CITY, IOWA</b>	
15 min, 16mm film, optical sd, col Producer USNMAC Title No. 001858	1966 Agency No. M-1228 Sale \$53.50
Documents two histoplasmosis outbreaks in Mason City, Iowa. Illustrates, with live footage and animation, soil decontamination procedures for health officials of communities having startling roosts or other sites contaminated with histoplasma capsulation.	
<b>HISTORY OF DRUG ABUSE</b>	
18 2x2 slides, silent, col Producer USBNDD Title No. 003016	
Section a of the Drug Abuse Education and Information Slide Resource Kit.	Sale \$6.00
<b>*HISTORY OF DRUG ABUSE AND LEGAL CONTROL</b>	
30 min, audiotape cassette, 2-track, monaural Producer USNIMH Title No. 002104	1972
Available only as part of a series. Presents the history of drug abuse and legal control. Includes a discussion of the increase in importation and use of heroin and marijuanna, the discovery and refinement of amphetamine and barbiturates, and the widespread use of hallucinogens.	
From the PROFESSIONAL DRUG TAPE series.	
<b>HISTORY OF THE U.S. NAVY - THE CIVIL WAR, PT 1</b>	
19 min, 16mm film, optical sd, col Producer USN Title No. 394890	1958 Agency No. FN08943E Sale \$65.00
Traces the most significant events of the opening years of the Civil War, 1861-62, after comparing the resources of both sides, and explains the basic Naval strategy. Major events portrayed include the Monitor-Merrimack combat, the Tighting Blockade, the Battle of New Orleans, and joint Army-Navy operations on the coast and in inland waters.	

\* INDICATES NEW ENTRY

**HISTORY OF THE U S NAVY - THE CIVIL WAR, PT 2**

20 min, 16mm film, optical sd, col 1958  
**Producer USN** Agency No. FN06943F  
**Title No. 394891** Sale \$68.25  
Traces significant Naval events of the Civil War from the end of 1862 to the close of the War, during which time the North used control of the sea and inland waters to split the Confederacy and stifle the South's economy.  
From U S Government Films, 1969, P 5

**\*HISTORY OF U S FOREIGN RELATIONS, THE - A SERIES**

89 min, 16mm film, optical sd, col 1972  
**Producer USD**  
**Title No. 003520** Sale \$294.00  
Recreates highlights of our diplomatic heritage and traces its principle themes through the use of actual locations, actors' voices, historical paintings, political cartoons and documentary footage. Discussion guides accompany each film.

**AGE OF REVOLUTIONS****RELUCTANT WORLD POWER, THE**  
**YOUTH TO Maturity****HOBBING A HELICAL GEAR - TWO CUTS NONDIFFERENTIAL METHOD**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 235  
**Title No. 395380** Rental \$7.50 Sale \$30.50  
Tells how to set up change gears, adjust the swivel head to cut on the helix angle, set up the machine for the rough cut, and re-align hob and gear teeth.  
From the MACHINE SHOP WORK series. Operations on the Gear Hobbing Machine, No. 5

**HOBBING A SPUR GEAR, PT 1, SETTING UP THE CHANGE GEARS**

15 min, 16mm film, optical sd, b&w 19JK  
**Producer USOE** Agency No. OE 231  
**Title No. 395400** Rental \$7.50 Sale \$27.00  
Describes selection of the hob, tells how to select change-gear combinations for speed, feed, and index. Tells how to identify the correct gears, mount the change gears, adjust for backlash, and how the change-gear trains are interrelated.  
From the MACHINE SHOP WORK series. Operations on the Gear Hobbing Machine, No. 1

**HOBBING A SPUR GEAR, PT 2, SETTING UP AND HOBBING THE WORK**

24 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 232  
**Title No. 395401** Rental \$10.00 Sale \$42.25  
Describes how to select and mount the hub, set the swivel head angle, choose and mount the fixture, load the gear blanks, set up for depth of trial cut, and adjust for full depth of cut.  
From the MACHINE SHOP WORK series. Operations on the Gear Hobbing Machine, No. 2

**HOBBING A SQUARE TOOTH SPLINE SHAFT**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 233  
**Title No. 395405** Rental \$7.50 Sale \$30.50  
Tells how to change hob arbors, centralize the hob with the centering gage, mount the center-type fixture and the top adjustable center, use a driving dog in mounting the spline shaft blank, set up for the trial cut, and take full depth of cut.  
From the MACHINE SHOP WORK series. Operations on the Gear Hobbing Machine, No. 3

**HOBBING A WORM GEAR - INFEED METHOD**

18 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 234  
**Title No. 395410** Rental \$7.50 Sale \$32.00  
Describes the angle at which to set the swivel head. Tells how to calculate and adjust the height of the hob arbor. Shows how to engage horizontal feed, centralize the hob, and cut to a center distance.  
From the MACHINE SHOP WORK series. Operations on the Gear Hobbing Machine, No. 4

**\*HOG CHOLERA - AFRICAN SWINE FEVER, A COMPARISON**

23 min, 16mm film, optical sd, col 1956  
**Producer USDA** Agency No. 1237  
**Title No. 003958** Sale \$107.00  
Shows the autopsy of several swine affected with hog cholera. African swine fever, often called Wart Hog, disease of swine in Africa, is described. Provides valuable visual information to the veterinary student and veterinary practitioner on these two serious diseases of swine.

**\*HOG CHOLERA - ITS DIAGNOSIS**

29 min, 16mm film, optical sd, col 1965  
**Producer USDA** Agency No. 2018-1  
**Title No. 003959** Sale \$130.00  
Technical designs for veterinary audiences and prepared as an aid for the professional man in understanding the hog cholera disease and its diagnosis.

**HOLIDAY TRAFFIC SAFETY - HOME FOR THE HOLIDAYS**

19 min, 16mm film, optical sd, b&w 1963  
**Producer USAF** Agency No. TF 5593  
**Title No. 395901** Rental \$7.50 Sale \$33.75  
Pictures the heavy highway traffic problems persons face in driving home during the Christmas season. To define the legal and moral obligations of motorists, film follows several travelers who become involved in accidents because of speed, carelessness, fatigue and alcohol. Also stresses the importance of defensive driving to insure a safe trip home for the holidays.  
CLEARED FOR TV.

**HOLLOW COIN, THE**

15 min, 16mm film, optical sd, b&w 1960  
**Producer USDOD** Agency No. DOD IS 03  
**Title No. 001860** Sale \$27.00  
Outlines the objectives of the Department of Defense Security Program, underscoring the responsibility of the individual worker to maintain security.

**\*HOME ON THE RANGE**

9 min, 16mm film, optical sd, b&w 1946  
**Producer USDA** Agency No. 897  
**Title No. 396975** Sale \$22.00  
Portrays ranch life and western range country, showing waterholes, windmills and watering tanks. Stresses improvements made through government range programs. Final scene reveals a round-up with scenes of branding and vaccine injection.

**HOME-SCHOOL INTER ACTION**

10 min, 16mm film, optical sd, b&w  
**Producer USOE**  
**Title No. 397060** Sale: W/DRAWN  
Illustrates an example of a home-school inter-action program.  
From the TEAMS FOR LEARNING series.

**HOMOGENEOUS REACTOR EXPERIMENT 2**

19 min, 16mm film, optical sd, col 1958  
**Producer USAEC**  
**Title No. 001861** Sale \$88.25  
Surveys the components, facilities, and operations of an aqueous homogeneous, forced-circulation, experimental power reactor operating with a dilute solution of uranyl sulfate in heavy water as fuel, and with a heavy-water reflector.

**\*HOOK DOWN, WHEELS DOWN, PTS 1 AND 2**

57 min, 16mm film, optical sd, col 1971  
**Producer USN** Agency No. MN10731 HOO  
**Title No. 398080** Sale \$175.00  
Depicts the history of the aircraft carrier from the USS Langley to the USS John F Kennedy through the use of documentary footage and filmed interviews with retired Naval advisers. Covers the period from the Wright Brothers through the Battle of the Coral Sea and concludes in the present era of Naval aviation.

**\*HOOKS (DRUG ABUSE)**

28 min, 16mm film, optical sd, col 1972  
**Producer USA** Agency No. TAR-37  
**Title No. 002106** Sale \$113.50  
 Deals with drug abuse in a non-preaching manner to show that it is unprofitable in its long term effects on one's personal life and career.

**HOCKWORM**

10 min, 16mm film, optical sd, col 1946  
**Producer USOIAA**  
**Title No. 398190** Sale \$43.00  
 A cartoon on hookworm which tells what poor sanitation and improper living habits did to careless Charles. Prevention and treatment of hookworm are emphasized.  
 From the *HEALTH FOR THE AMERICAS* series.

**HOOVER DAM**

33 min, 16mm film, optical sd, b&w 1949  
**Producer USA** Agency No. 01-02801  
**Title No. 398250** Sale \$68.25  
 Explains the need for control of the Colorado River. Pictures the construction of the Hoover Dam and indicates its value for irrigation and electric power.

**HORIZONS UNLIMITED, PT 1**

37 min, 16mm film, optical sd, col 1969  
**Producer USAEC**  
**Title No. 398799** Sale \$124.00  
 Describes new atomic industries and applications of atomic research which have opened up new careers in nuclear science and nuclear engineering.  
 From the *CAREERS IN NUCLEAR SCIENCE AND NUCLEAR ENGINEERING* Series.

**HORIZONTAL PIN SPLINTING FOR ANTERIOR TEETH**

12 min, 16mm film, optical sd, col 1968  
**Producer USVA** Agency No. D-23-FP  
**Title No. 001862** Sale \$41.50  
 Depicts the use of the paralleling device and the procedures incident to produce the horizontal pin splint for stabilizing loose anterior teeth.

**\*HORSE SENSE**

23 min, 16mm film, optical sd, col 1953  
**Producer USDA** Agency No. 1173  
**Title No. 399192** Sale \$106.00  
 Stresses the safe handling and proper care of horses.

**HORSESHOEING**

19 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 458  
**Title No. 399450** Rental \$7.50 Sale \$33.75  
 Shows how to handle a horse during shoeing, to prepare the feet, to select, fit and nail on shoes, to take off shoes and to tighten old shoes on a horse.  
 From the *FARM WORK* series. Livestock, No. 2

**HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 1, INTRODUCTION**

16 min, 16mm film, optical sd, b&w 1953  
**Producer USA** Agency No. TF08-1841  
**Title No. 001865** Sale \$28.50  
 Shows the departments, equipment, menu planning, and food preparation procedures typical of hospital food service.

**HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 2, THE INDIVIDUAL**

13 min, 16mm film, optical sd, b&w 1950  
**Producer USA** Agency No. TF08-1576  
**Title No. 001864** Sale \$23.75  
 Shows ways to prevent communicable disease associated with improper food handling. Points out importance of health, cleanliness, personal appearance, and sanitary work habits.

**HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 3, EQUIPMENT**

12 min, 16mm film, optical sd, b&w 1950  
**Producer USA** Agency No. TF08-1577  
**Title No. 001863** Sale \$22.25  
 Shows clean kitchen equipment. Tells how to loosen, dissolve, and emulsify dirt. Describes how to rinse and dry equipment, and prevent food poisoning.

**HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 4, SERVING FOOD**

15 min, 16mm film, optical sd, col 1951  
**Producer USA** Agency No. TF08-1578  
**Title No. 001866** Sale \$51.75  
 Emphasizes principles of good food preparation and service in hospitals—proper temperature, correct quality, selection of food to meet patient's requirements, and courteous attention by food service personnel.

**HOSPITAL FOOD SERVICE SAFETY**

15 min, 16mm film, optical sd, col 1967  
**Producer USNMAC** Agency No. M-1524-X  
**Title No. 001867** Sale \$51.75  
 Illustrates ways of preventing common accidents in a large food service facility. Storage, equipment, and food service techniques are discussed. Emphasis is on 'think safe.'

**HOSPITAL HOUSEKEEPING - MOPPING TWO BUCKET METHOD**

9 min, 16mm film, optical sd, col 1967  
**Producer USNMAC** Agency No. M-1324  
**Title No. 001868** Sale \$31.00  
 Instructs maintenance personnel in mopping hospital floors, using an efficient and thorough method to get more work accomplished and kill more germs in the process.

**HOSPITAL HOUSEKEEPING - WET PICK UP**

7 min, 16mm film, optical sd, col 1966  
**Producer USNMAC** Agency No. M-1325  
**Title No. 001869** Sale \$24.50  
 Instructs maintenance personnel in the best method and procedure for cleaning the floor of the operating room after an operation.

**HOUSE, A WIFE AND A SINGING BIRD, A**

30 min, 16mm film, optical sd, col 1957  
**Producer USA** Agency No. 36-12445  
**Title No. 399725** Rental: W/DRAWN Sale: W/DRAWN  
 Tells the story, based on an old Japanese folk saying that a man's happiness depends upon a knife, house, horse, wife and singing bird, of the restoration of a young man to his rightful place in his society and nation. Indicates the benefits of ICA assistance to Indonesia in combatting malaria.

**\*HOUSEHOLD APPLIANCE REPAIRMAN**

8 min, 16mm film, optical sd, col 1967  
**Producer USDLMP**  
**Title No. 400390** Rental \$7.50 Sale \$31.25  
 Shows a typical route repairman and his helper on an emergency call in a private home. Includes a variety of jobs and work situations - shows workers repairing large and small appliances from steam irons to electric stoves.  
 CLEARED FOR TV.

**HOW ABOUT BILLY WILSON?**

17 min, 16mm film, optical sd, b&w 1968  
**Producer USFAA**  
**Title No. 004527** Sale: W/DRAWN  
 Answers vital questions about career opportunities within the Federal Aviation Administration for the young minority group student.  
 CLEARED FOR TV.

**HOW AIRPLANES FLY**

18 min, 16mm film, optical sd, col 1969  
**Producer USFAA** Agency No. FA-0703  
**Title No. 400500** Sale \$63.25  
 Shows what makes an airplane get off the ground and stay aloft. Combines animation and live sequences to explain basic aerodynamics for general aviation pilots and high school

science students. Describes forces of lift, weight, thrust, and drag in relation to flight.

\*HOW DISCRIMINATION COMPLAINTS ARE PROCESSED

20 min, 2x2 slide set, 1/4 in. audiotape, col 1973  
Producer USCSC

Title No. 002107 Sale \$8.00  
Identifies the stages involved in processing complaints of discrimination and explains the essential details under each stage. It describes the rights and responsibilities of the complainant and the agency. It also describes the right of appeal to the civil service commission and the right to file civil action in an appropriate U. S. District Court.

HOW DISEASE TRAVELS

10 min, 16mm film, optical sd, col 1946  
Producer USOIAA

Title No. 401750 Sale \$40.75  
Uses animation to show how disease microbes spread by water, flies, and person-to-person contact.  
From the *HEALTH FOR THE AMERICAS* series.

HOW DISEASE TRAVELS (SPANISH)

10 min, 16mm film, optical sd, col 1946  
Producer USOIAA  
Title No. 001870 Sale \$40.75

HOW MAGNETS PRODUCE ELECTRICITY

4 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN08016B

Title No. 403250 Sale \$7.75  
Shows the use of a magnet field as it affects a single atom, a group of atoms as in a wire, and a wire in a closed circuit with a meter.

HOW SLEEP THE BRAVE

29 min, 16mm film, optical sd, col 1964  
Producer USA Agency No. TV 623

Title No. 404700 Sale: W/DRAWN  
Memorializes dead American servicemen.  
From the *BIG PICTURE* series.  
Cleared for TV.

\*HOW TO ADDRESS A LETTER

44 ft, 35mm filmstrip, record, col 1972  
Producer USPOST

Title No. 002954 Sale \$7.50  
Shows Edgar the Eagle describing how a letter moves through our Postal System. Emphasizes the importance of addressing the letter properly in order that it reach its destination without delay. A cartoon character created by the United States Postal Service, Edgar demonstrates in detail the correct way of putting name, address, return address, zip codes and stamp on a letter. Created for use in kindergarten through the 4th grade and for remedial classes.

HOW TO CHECK AND SURFACE FOUNDATIONS

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 095

Title No. 405710 Sale \$39.25  
Tells how to check the location of machinery foundations to blueprint specifications, align and level foundations, and surface or smooth foundations.  
From the *SHIPBUILDING SKILLS* series. Marine Machinery Installation, No. 1

HOW TO CONDUCT A MEETING

20 min, 16mm film, optical sd, b&w 1951  
Producer USA

Title No. 405800 Sale \$42.50  
Shows the proper parliamentary procedures to be followed in conducting a meeting to insure that the decisions will represent the majority.

HOW TO OBSERVE NURSING ACTIVITIES, PT 1

14 min, 16mm film, optical sd, b&w 1960  
Producer USNMAC Agency No. M-0315

Title No. 001871 Sale \$25.50  
A two-part film to be used as an aid in planning nursing activity observation. Part 1 shows activities which are routine and easily identified.

RECOMMENDED FOR PROFESSIONAL USE.

\*HOW TO OBSERVE NURSING ACTIVITIES, PT 2

10 min, 16mm film, optical sd, b&w 1960  
Producer USNMAC Agency No. M-0315

Title No. 408261 Sale \$17.50  
A two-part film to be used as an aid in planning nursing activity observation. Depicts situations involving more complex or difficult to code. Recommended for professional use.

\*HOW TO OPERATE THE ARMY 16MM PROJECTOR SET

31 min, 16mm film, optical sd, b&w 1952  
Producer USA Agency No. TF11-1752

Title No. 004528 Sale: W/DRAWN  
Demonstrates operation of the Army 16mm sound projector set, an/pfp-1 (jan) projector.

HOW TO PREVENT PRIVATE VEHICLE ACCIDENTS

25 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF20-3317

Title No. 408575 Sale \$43.75  
Tells how 3 elements of a post safety program are implemented--driver education, engineering methods, and effective law enforcement measures.

HOW TO RUN A MAIL ROOM

15 min, 16mm film, optical sd, col 1970  
Producer USPO

Title No. 409150 Sale \$60.00  
Highlights some of the areas where mistakes can prove costly to the mail user, such as--the importance of proper facing and bundling of mail, the advantage of experienced mail clerks over part-time and temporary employees, how mail can be misapplied and overcharged, and the advantage of early processing.

\*HOW TO SUCCEED WITHOUT REALLY FLYING

28 min, 16mm film, optical sd, col 1970  
Producer USFAA Agency No. FA 06-70

Title No. 002108 Sale \$115.50  
Describes what air traffic control offers as a profession, and how it provides rapid career advancement, professional status, high pay, and a rewarding sense of personal achievement.

ESPECIALLY RECOMMENDED FOR TELEVISION, HIGH SCHOOLS, COLLEGES, AND MILITARY SEPARATION CENTERS.

HOW TO USE NAVIGATIONAL AIDS

7 min, 16mm film, optical sd, col 1944  
Producer USN Agency No. MN00202AC

Title No. 001873 Sale \$24.50  
Explains how to use navigational aids and interpret the symbols on nautical charts.

HUMAN BODY

7 min, 16mm film, optical sd, col 1945  
Producer USOIAA

Title No. 411877 Sale \$41.00  
Uses animation to explain how parts of the body function. Emphasizes the body's need for fresh air and a variety of foods.

HUMAN RADIOACTIVITY MEASUREMENTS

9 min, 16mm film, optical sd, col 1958  
Producer USAEC

Title No. 001874 Sale \$43.50  
Shows a method developed at Los Alamos Scientific Laboratory to monitor personnel exposed to the possible intake of gamma-emitting materials and to study the retention and excretion of radioactive isotopes by the body. Points out that the liquid scintillation counter is large enough to contain a man and sensitive enough to detect even the minute amounts of his natural gamma radioactivity.

\*HUMAN REPRODUCTION, PT 1 - HOW REPRODUCTION TAKES PLACE

14 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. F-1708

Title No. 002110 Sale \$10.00  
Discusses sex characteristics and functions of the male and female, the menstrual cycle, fertilization, and pregnancy.

<b>*HUMAN REPRODUCTION, PT 3 - HOW REPRODUCTION IS CONTROLLED</b>	Title No. 001877	Sale \$37.00
8 ft, 35mm filmstrip, 1/4 in. audiotape, col 1969 Producer USNMAC Agency No. E 1710 Title No. 002114 Sale \$10.00 Discusses control of conception to include the rhythm method, mechanical blockage, chemical blockage, and contraceptive pills.		
<b>*HUNGARIAN - BASIC COURSE, UNITS 1-12</b>	<b>HYDRAULIC BRAKE SYSTEM, THE</b>	1945
24 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004075 Sale \$78.00 Cassettes and accompanying text are both available for \$80.00. OTHER FORMAT(S) OR VERSION(S) 40 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004078 Sale \$111.50 Tape set and accompanying text are both available for \$113.50.	12 min, 16mm film, optical sd, b&w Producer USOE Agency No. OE 483 Title No. 414560 Rental \$7.50 Sale \$22.25 Shows how to check brake pedal travel, how to examine the brake lining, how to adjust the brake shoes and how to inspect and adjust the hydraulic brake fluid system.	Agency No. OE 483 Rental \$7.50 Sale \$22.25
<b>*HUNGARIAN - BASIC COURSE, UNITS 13-24</b>	<b>HYDRAULIC CONTROLS IN THE HYDRAMATIC TRANSMISSION</b>	1955
26 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004077 Sale \$84.50 Cassettes and accompanying text are both available for \$87.00. OTHER FORMAT(S) OR VERSION(S) 43 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004078 Sale \$119.75 Tape set and accompanying text are both available for \$122.25.	26 min, 16mm film, optical sd, b&w Producer USA Agency No. TF09-1992 Title No. 001878 Sale \$45.50 Explains and demonstrates the basic shifting patterns in hydramatic transmission. Using animated sequences, demonstration models, and live action, shows how hydraulic controls are applied in each phase of upshifting.	Agency No. TF09-1992 Sale \$45.50
<b>*HUNGARIAN - GRADED READER</b>	<b>HYDRAULIC STEERING, PRINCIPLES OF OPERATION</b>	1958
16 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004079 Sale \$52.00 Cassettes and accompanying text are both available for \$55.75. OTHER FORMAT(S) OR VERSION(S) 32 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004080 Sale \$89.25 Tape set and accompanying text are both available for \$93.00.	14 min, 16mm film, optical sd, b&w Producer USA Agency No. TF09-2254 Title No. 001879 Sale \$24.50 Explains the operating principles of the hydraulic steering assist mechanism by illustrating the functions of its major components-reservoir, pump, relief valve, control valve, and power cylinder- and shows how these components, acting on the principle of pressure differential, deliver the steering assist.	Agency No. TF09-2254 Sale \$24.50
<b>HUNGARIAN FIGHT FOR FREEDOM</b>	<b>HYDROA VACCINIFORME</b>	1962
11 min, 16mm film, optical sd, b&w 1958 Producer USIA Title No. 413611 Rental: W/DRAWN Sale: W/DRAWN Shows scenes of the 1956 revolt of the Hungarian people in Budapest, its suppression by the Soviet Army, and demonstrations of sympathy in various cities throughout the world.	8 min, 16mm film, optical sd, col Producer ILDS Title No. 004529 Sale: W/DRAWN Shows a rare combination of dwarfism, idiocy, hypersensitivity to light, and reactive porphyria on exposure to ultraviolet light. Discusses the relationship of this disease to other congenital anomalies.	Agency No. MN10193A Sale \$58.50
<b>HURRICANE CALLED BETSY, A</b>	<b>HYDROGRAPHIC SURVEY OPERATIONS</b>	1966
29 min, 16mm film, optical sd, b&w 1966 Producer USOCD Agency No. DODCD20-251 Title No. 001875 Sale \$50.25 Tells the story of a storm called Hurricane Betsy, the people who fought it, their victories and their losses.	17 min, 16mm film, optical sd, col Producer USN Agency No. MN10193C Title No. 414834 Sale \$58.50 Geodesy and planning updated methods of obtaining geodetic control as the primary step in conducting a hydrographic survey.	Agency No. MN10193C Sale \$58.50
<b>HURRICANE CIRCUIT</b>	<b>HYDROGRAPHIC SURVEY OPERATIONS - HYDROGRAPHIC CONTROL AND SOUNDING OPERATIONS</b>	1966
23 min, 16mm film, optical sd, b&w 1949 Producer USDS Title No. 414402 Sale \$48.75 Traces the path of a hurricane through the Caribbean and the Gulf of Mexico, and explains the work of the U S Weather Bureau in predicting the course of the hurricane and issuing precautionary and emergency storm warnings.	17 min, 16mm film, optical sd, col Producer USN Agency No. MN10193C Title No. 414836 Sale \$58.50 Shows updated methods of conducting an off-shore hydrographic survey.	Agency No. MN10193C Sale \$58.50
<b>HURRICANE HUNTERS</b>	<b>HYDROGRAPHY FOR CHARTING - POSITION FIXING</b>	1951
14 min, 16mm film, optical sd, b&w 1958 Producer USN Agency No. MN08339 Title No. 001876 Sale \$25.50 Describes the hurricane hunting activities of Airborne Early Warning Squadron Four. OTHER FORMAT(S) OR VERSION(S) 21 min, 16mm film, optical sd, b&w 1961 Producer USN Agency No. MN09422	12 min, 16mm film, optical sd, col Producer USN Agency No. MN07337A Title No. 414825 Sale \$42.00 Describes the theory and practice of determining a vessel's position by three methods of hydrographic surveying-three point fix, radar ranging, and hyperbolic radio interference grids.	Agency No. MN07337A Sale \$42.00
	<b>HYDROGRAPHY FOR CHARTING - SOUNDING DRAGGING</b>	1951
	12 min, 16mm film, optical sd, col Producer USN Agency No. MN07337B Title No. 414828 Sale \$42.00 Describes the methods of determining the depth of water and the instrumentation required. Also explains to guarantee obstruction-free depth of water. The equipment and techniques employed in wire dragging.	Agency No. MN07337B Sale \$42.00
	<b>HYDROTHERAPY</b>	1945
	22 min, 16mm film, optical sd, b&w Producer USOE Agency No. OE 410 Title No. 414840 Sale \$46.25 Tells how to administer sedative baths, wet-sheet packs, tonic showers, douches, sprays, special types of therapeutic baths, rehabilitation hydrotherapy in the hubbard bath and	Agency No. OE 410 Sale \$46.25

rehabilitation pool, and describes physiological effects of hydrotherapy upon the body.  
From the NURS/NG series.

\*HYGIENE FOR MEN - THE DECISION IS YOURS

29 min, 16mm film, optical sd, col 1969  
Producer USN Agency No. MN10198B  
Title No. 414844 Sale \$115.50  
Presents a series of factual vignettes on the importance of exercising self-control in matters of sex, drinking, drug use and smoking.

HYGIENIC PROCEDURES FOR THE AMPUTEE

6 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. M-1788  
Title No. 414849 Sale \$23.50  
Presents the proper hygienic procedures which must be followed by the patient with an amputation for daily cleansing of the stump; stump sox or bandage, and the prosthesis itself.

HYMN OF THE NATIONS

28 min, 16mm film, optical sd, b&w 1944  
Producer USOWIO  
Title No. 414850 Sale \$58.50  
Shows Arturo Toscanini conducting the NBC Symphony Orchestra in a radio broadcast of Verdi's Overture to 'Forza Del Destino.' The narrator recounts the contributions of Toscanini and other great Italians to democracy, and Toscanini conducts the NBC Symphony, the Westminster choir, and Jan Peerce in a radio broadcast of Verdi's 'Hymn of the Nations.'

I HEAR THE CARPENTER SINGING

11 min, 16mm film, optical sd, b&w 1963  
Producer USIA Agency No. 01-02584  
Title No. 415480 Rental: W/DRAWN Sale: W/DRAWN  
Tells the story of a young Mexican-American carpenter in Los Angeles, California, who earns journeyman's status through night school and on-job apprenticeship training. Presents vocational and economic opportunities which are made available through enlightened labor-management in a free enterprise system.

I IN INFANTRY, THE - THE INDIVIDUAL

29 min, 16mm film, optical sd, col 1967  
Producer USA Agency No. TV 711  
Title No. 004530 Sale: W/DRAWN  
Describes development of an infantry soldier and shows how his unit depends upon him as an individual.  
From the BIG PICTURE series.

\*I WANNA KNOW

1 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003401 Sale \$16.75  
Sold only in cartridge with a chart story. Presents short insights into home and school education of the profound hearing impaired.

\*ICE

12 min, 16mm film, optical sd, col 1970  
Producer USCG  
Title No. 001880 Sale \$50.50  
Portrays ice as one of man's oldest challenges and describes Coast Guard acceptance and response to the challenge. Shows the service, over the last 100 years, in the vanguard of polar exploration and development and carrying out the International Ice Patrol in the North Atlantic shipping lanes and assisting movement of waterborne commerce in domestic waterways.  
CLEARED FOR TV.

ICELAND

23 min, 16mm film, optical sd, b&w 1954  
Producer USDOD Agency No. FIF 0085  
Title No. 416365 O/PRINT  
Provides a study of Iceland, covering its historical background, shows its significance in Western defense plans.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

IDENTIFICATION OF EARLY SYPHILIS

24 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0507  
Title No. 001881 Sale \$81.50  
A simulated medical school lecture on the subject of identification of early syphilis. Stresses the importance of suspecting syphilis in office patients, discussing the necessity of being able to recognize the signs of early syphilis, and the need for prompt and effective epidemiology. Includes rear-projected clinical slides.

IDENTIFICATION OF EARLY SYPHILIS (SPANISH)

24 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-0507  
Title No. 001882 Sale \$81.50  
clinical slides. A simulated medical school lecture on the subject of identification of early syphilis. Stresses the importance of suspecting syphilis in office patients, discussing the necessity of being able to recognize the signs of early syphilis, and the need for prompt and effective epidemiology. Includes rear-projected

\*IDENTIFICATION OF SOME COMMON SUCKING LICE

9 min, 35mm filmstrip, 1/4 in. audiotape, b&w 1948  
Producer USNMAC Agency No. 5-097  
Title No. 002216 Sale \$6.00  
Explains the morphological characteristics used to identify six genera and eight species of the more common lice in the United States.  
From the FILMSTRIP series--Typhus Control.

IDENTIFYING AND PRECUTTING CABLE

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 112  
Title No. 416760 Sale \$40.50  
Describes characteristics of VCLA cable used in merchant ships. Tells how to compute cable size for identification and how to identify and pre-cut cable.  
From the SHIPBUILDING SKILLS series. Marine Electricity, No. 3

IF I WERE YOU

44 min, 16mm film, optical sd, b&w 1957  
Producer USAF Agency No. TF01-5209  
Title No. 001883 Sale \$74.75  
Demonstrates basic human relationships through a series of typical situations encountered by an Air Force Officer, and illustrates through individual stories the successful application of the role-playing method to real life problems.

\*IGBO - BASIC COURSE

21 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004081 Sale \$68.25  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for Listing G034  
OTHER FORMAT(S) OR VERSION(S)  
37 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004082 Sale \$103.00  
For information concerning purchase of accompanying text, write to National Audiovisual Center, Information Branch for NACI Listing G034.

IGNITION AND SPARK PLUG

12 min, 16mm film, optical sd, b&w 1944  
Producer USAF Agency No. TF01-4137  
Title No. 001884 Sale \$50.75  
Explains the construction and care of the aircraft spark plug, and analyzes the function of the primary, secondary, breaker, condenser, and distributor.

IMAGE CHANGERS, THE

28 min, 16mm film, optical sd, b&w 1968  
Producer U. DJD  
Title No. 417845 Sale \$68.00  
Discusses the relationships between the community, the police, and youth.

<b>IMMEDIATE CUSTOM IMPLANT FOR THE MANDIBLE</b>		<b>IN CARLA'S WAKE</b>	
13 min, 16mm film, optical sd, col Producer USVA Title No. 001885	1968 Agency No. D-83 Sale \$51.75	28 min, 16mm film, optical sd, col Producer USAE Title No. 001888	1964 Sale \$175.00
Sections of the mandible, lost through injury or disease, can be satisfactorily replaced with an immediate, custom fitted implant of surgical vitallium. The abutments of the prosthesis are fabricated at time of surgery using a rapid-jet casting procedure.		Shows the aftermath of Hurricane Carla (September, 1961) that left nearly one-half billion dollars of property damages on the Texas coast.	
<b>IMMEDIATE MAXILLARY ANTERIOR ACRYLIC FIXED BRIDGE WORK IN THE SHOP</b>		<b>*IN COMMON CAUSE</b>	
19 min, 16mm film, optical sd, col Producer USN Title No. 001886	1945 Agency No. MN04352B O/PRINT	20 min, 16mm film, optical sd, col Producer USDA Title No. 420190	1945 Agency No. 950 Sale \$37.00
Demonstrates precision casting, molding several teeth as one unit, process of tooth extraction, final bridge work insertion. <b>THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.</b>		Shows what soil conservation districts have accomplished, how they are formed and operated and the big job left to be done in this vital program for increasing crop production and saving soil.	
<b>IMMEDIATE POST-SURGICAL PROSTHETICS</b>		<b>IN HONOR OF LIBERTY</b>	
43 min, 16mm film, optical sd, col Producer USVA Title No. 418091	1968 Sale \$143.50	19 min, 16mm film, optical sd, b&w Producer USDOD Title No. 420410	1957 Agency No. AFIF 0077 O/PRINT
Outlines the principles employed in the management of amputees in which the prosthesis is applied to the amputation stump immediately following wound closure. The details of surgery, post-operative treatment and training are presented. A detailed case history of one below-knee amputee is shown and other types of cases are summarized briefly.		Presents a Corporal in the U S Army describing his first visit to the Statue of Liberty and his feelings concerning its meaning--that men shall be free.	
<b>IMPRESSION OF JOHN STEINBECK, AN - WRITER</b>		<b>IN SEARCH OF LINCOLN</b>	
22 min, 16mm film, optical sd, col Producer USIA Title No. 418985	1969 Agency No. 01-11827 Rental: W/DRAWN Sale: W/DRAWN	20 min, 16mm film, optical sd, col Producer USIA Title No. 420480	1959 Agency No. 01-02552 Rental: W/DRAWN Sale: W/DRAWN
Provides series of vignettes on the life of John Steinbeck.		Covers Lincoln's life before his election to the Presidency by showing the sites of his birth, farm home and early jobs, includes his election to Congress and the Lincoln-Douglas debates. Portrays the American concept of Lincoln's greatness, unique place in history, and leadership in behalf of democratic and human values.	
<b>IMPRESSIONABLE YEARS, THE</b>		<b>*IN SELF DEFENSE</b>	
35 min, 16mm film, optical sd, b&w Producer USIA Title No. 419200	1952 Agency No. 04-11444 Rental: W/DRAWN Sale: W/DRAWN	28 min, 16mm film, optical sd, col Producer USNIH Title No. 003525	1973 Sale \$113.50
Presents the story of a Hungarian family which emigrated to the United States under the sponsorship of a Catholic refugee agency. Shows their experiences in the new country, their adjustments, and what this country means to them.		Describes what several high blood pressure programs are doing around the country to help control this major national health problem. Points out dangers of high blood pressure and treatments for condition.	
<b>IMPRESSIONS FOR REMOVABLE PARTIAL DENTURES</b>		<b>*IN SIGHT OF THE GIANT STEPS</b>	
37 min, 16mm film, optical sd, col Producer USA Title No. 001887	1964 Agency No. PMF 5377 Sale \$124.00	40 fr, 35mm filmstrip, 1/4 in. audiotape, col Producer USNASA Title No. 002268	1967 Sale \$10.00
Demonstrates the details of impression making for removable partial dentures.		Tells the story of space exploration through the paintings and sketches of leading contemporary American artists. Produced for art and social studies as well as science, with assistance from the National Gallery of Art. Includes audiotape and teacher guide.	
<b>IMPRESSIONS OF JAPAN</b>		<b>*IN THE BEGINNING</b>	
15 min, 16mm film, optical sd, b&w Producer USIA Title No. 419380	1955 Agency No. 36-00577 Rental: W/DRAWN Sale: W/DRAWN	17 min, 16mm film, optical sd, b&w Producer USDA Title No. 420530	1937 Agency No. 891 Sale \$41.00
Presents the impressions of William Faulkner during his visit to Japan to participate in a USIS-SPONSORED American Literature Seminar. Based on an essay the novelist wrote prior to his departure from Japan.		Portrays the ovulation, fertilization and early development of the mammalian egg. Includes scenes of spermatozoa attacking the ovum, and time-lapse microphotographs of cell division in the fertilized egg.	
<b>IMPROVING THE JOB</b>		<b>IN THE NATIONAL INTEREST</b>	
9 min, 16mm film, optical sd, b&w Producer USOE Title No. 419770	1944 Agency No. OE 163 Rental \$5.00 Sale \$15.75	60 min, 16mm film, optical sd, col Producer USOE Title No. 420770	1963 Agency No. OE 498 Rental \$17.00 Sale \$201.75
Shows a supervisor asking an employee for work-improvement suggestions. The employee talks the problem over with his father and sister, obtains their advice, and makes some worthwhile suggestions. <i>From the PROBLEMS IN SUPERVISION series.</i>		Covers the work of State Department education supervisors of foreign languages, the National Defense Educational Act Foreign Language Institutes, instruction in heretofore 'neglected languages,' and research underway dealing with foreign languages.	
<b>IN A TRADITION OF HEROES</b>		<b>IN TIME OF EMERGENCY</b>	
26 min, 16mm film, optical sd, col Producer USMC Title No. 419980	1968 Agency No. MH09969 Sale \$126.75	26 min, 16mm film, optical sd, col Producer USDOD Title No. 420045	1970 Agency No. DODCD20-272 Sale \$81.50
Shows the role of Marine detachments aboard ship, how and where they live, and their responsibilities as a gun crew. Depicts early history of shipboard Marines.		Highlights basic lifesaving information every American needs to prepare for the possibility of nuclear attack--facts about fallout, types of public and private shelters, how to improvise	

\* INDICATES NEW ENTRY

fallout protection, attack warning, emergency supplies, reducing the fire hazard, and actions to take if caught in the open.

#### IN VITRO PATHOGENICITY TEST FOR C. DIPHTHERIAE

7 min, 16mm film, optical sd, col. 1965  
Producer USNMAC Agency No. M-0776  
Title No. 001889 Sale \$22.75  
Shows preparation of materials and interpretation of results of test to determine toxicogenic strains of C. Diphtheriae.

#### IN VITRO TOXIGENICITY TEST FOR C. DIPHTHERIAE

12 min, 16mm film, optical sd, col 1950  
Producer USNMAC Agency No. M-0972  
Title No. 002237 Sale \$42.00  
Demonstrates techniques for administering the in vivo toxicogenic test for C. Diphtheriae, either to confirm results in the in vitro test, or as a matter of preference.

#### IN WHICH WE LIVE

23 min, 16mm film, optical sd, b&w 1958  
Producer USIA  
Title No. 421095 Rental: W/DRAWN Sale: W/DRAWN  
Describes the cooperative effort of the 64 nations participating in the scientific projects of the International Geophysical Year. Explains the three major phases of the IGY activity-study of the Earth's surface and core, of the Earth's atmosphere, and of outer space.

#### IN-PILE LOOP TESTS OF HOMOGENEOUS REACTOR MATERIALS

25 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001891 Sale \$104.00  
Describes a typical in-pile loop experiment in the radiation-corrosion program of the homogeneous reactor project at the AEC's Oak Ridge National Laboratory. Particular emphasis is given to the equipment and experimental procedures used in evaluating effects of nuclear radiation on corrosion of metals and alloys exposed to an approximation of the environment in a circulating-fuel aqueous homogeneous reactor.

#### \*INAUGURATION OF JOHN F KENNEDY - 35TH PRESIDENT OF THE UNITED STATES

18 min, 16mm film, optical sd, col 1961  
Producer USIA  
Title No. 421125 Rental \$10.00 Sale: W/DRAWN  
Documents the inauguration of John F Kennedy, 35th President of the United States, Washington, D.C., 1961. Contains the inaugural address statement 'Ask not what your country can do for you' and statements concerning the Peace Corps plans. Includes scenes of former President Eisenhower, Vice-President Johnson, various national and international dignitaries, the parade, balls and other events.

#### \*INCIDENTAL CORRECTION OF SPEECH

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003402 Sale \$19.25  
Sold only in a cartridge with vocal approach and pitch. Presents short insights into home and school education of the profound hearing impaired.

#### INCINERATION

13 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-0353  
Title No. 002238 Sale \$45.25  
A filmograph which discusses the principles of incineration and explains the method as a means of sanitary refuse disposal.

#### \*INCISION AND IRRIGATION OF TRAUMATIC CATARACT

6 min, 16mm film, optical sd, col 1971  
Producer USA Agency No. PMF-5436  
Title No. 002287 Sale \$25.50  
Shows the detailed procedure for the treatment of traumatic cataract by irrigation of the lens from the posterior chamber through a small corneal incision.  
SUGGESTED FOR PROFESSIONAL GROUPS ONLY.

#### INDENTATION TONOMETRY TECHNIQUE IN GLAUCOMA DETECTION

7 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1286  
Title No. 001892 Sale \$24.50  
Depicts the use and maintenance of the tonometer in performance of the glaucoma screening test.

#### INDEPENDENCE DAY, U.S.A

10 min, 16mm film, optical sd, col 1965  
Producer USIA Agency No. 01-02632  
Title No. 421825 Rental: W/DRAWN Sale: W/DRAWN  
Depicts various ways Americans celebrate the '4th of July,' such as parades, speech-making, family get-togethers and resting. Reviews the original Independence Day.

#### INDEPENDENT AMBULATION AND ELEVATION ACTIVITIES OF THE HEMIPLEGIC PATIENT

10 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1334  
Title No. 001893 Sale \$34.00  
Illustrates proper teaching methods to be used with the hemiplegic patient as he progresses to the use of a cane for independent ambulation, curb, ramp, and stair climbing.

#### INDEPENDENT COMMERCIAL RADIO STATION

18 min, 16mm film, optical sd, b&w 1952  
Producer USDA  
Title No. 421633 Rental \$7.50 Sale \$38.50  
Shows the day-by-day operation of a local commercial radio station in the United States.

#### \*INDIAN FOR A CHANGE

28 min, 16mm film, optical sd, col 1970  
Producer USDL  
Title No. 001894 Sale \$117.25  
Corrects old and romantic stereotypes by presenting candid, insightful portraits of five young Indian men and women as recognizable human beings.

#### \*INDIAN TO INDIAN

26 min, 16mm film, optical sd, col 1970  
Producer USDL  
Title No. 002269 Sale \$117.25  
Shows Indians who are part of the work force explaining their lives and work. Describes how, though part of the work force, they retain their tribal heritages. Directed toward young Indians.  
From the CAREER JOB OPPORTUNITY FILM series.

#### INDICATIONS FOR A THERAPEUTIC ABORTION

31 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1720  
Title No. 423775 Sale \$64.25  
Presents the pros and cons of more liberal abortion laws. (Kinescope)  
From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

#### INDIVIDUAL SPEECH

8 min, 16mm film, optical sd, col 1970  
Producer USBEH  
Title No. 424111 Sale \$47.25  
Examines individual speech instruction at preschool and nursery level in Sint Michielsgestel.  
From the INTERNATIONAL EDUCATION OF THE HEARING IMPAIRED CHILD Series.

#### INDUCTANCE

31 min, 16mm film, optical sd, b&w 1943  
Producer USAF Agency No. TVK 30-205  
Title No. 424450 Sale \$84.25  
Discusses the physical factors of a coil which affect inductance values. Gives definitions and symbols of inductance and types of induction. Demonstrates electromagnetic principles and relates these principles to the principles of induction. Solves for total inductance in series and parallel connections. (Kinescope)

**INDUCTIVE REACTANCE**

24 min, 16mm film, optical sd, b&w 1942  
Producer USAF Agency No. TVK 30-206A  
Title No. 424475 Sale \$50.75  
Describes and shows the symbols for audio, RF, and power chokes. Discusses the physical characteristics of chokes, and shows and explains the relationship between voltage and current in an inductor. Concludes with a discussion of the three types of power losses. (Kinescope)

## OTHER FORMAT(S) OR VERSION(S)

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-206C  
Title No. 424476 Sale \$52.50

**INDUSTRIAL APPLICATIONS OF NUCLEAR EXPLOSIVES**

11 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 001895 Sale \$48.50  
Compares nuclear and chemical explosives in such projects as harbor development, economical recovery of low-grade ore bodies, release of petroleum from oil shale, underground production of steam to generate power, and development of large underground reservoirs in arid areas.

**INDUSTRIAL APPLICATIONS OF RADIOTRACERS**

57 min, 16mm film, optical sd, col 1961  
Producer USAEC  
Title No. 000958 Sale \$175.00  
Surveys the current uses of radioisotopes throughout American industry. Describes and shows examples of three major areas of use-nuclear gauging (thickness, density, and level), radiography and tracing. Covered briefly are luminescence, static elimination, isotopic power, and uses of highintensity radiation. Uses animation to explain basic principles. Includes examples of in-plant uses.

**INDUSTRIAL DEFENSE SURVEYS, PT 1, INTRODUCTION**

8 min, 16mm film, optical sd, b&w 1967  
Producer USA Agency No. TF19-3715  
Title No. 001897 Sale \$14.25  
Defines the objectives and criteria of the Industrial Defense Survey Program, and describes the preparations which must be made by the Industrial Defense Survey Officer.

**INDUSTRIAL DEFENSE SURVEYS, PT 2, CONDUCTING THE SURVEY**

20 min, 16mm film, optical sd, b&w 1967  
Producer USA Agency No. TF19-3716  
Title No. 001898 Sale \$35.25  
Describes the pertinent aspects of an on-site Industrial defense Survey made by an Industrial Defense Survey Officer accompanied by a plant's Industrial Defense Co-ordinator.

**INDUSTRIAL HYGIENE - RIGHT MAKES SAFE**

19 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10295  
Title No. 424575 Sale \$78.00  
Describes dangers to ears, skin, eyes and the respiratory system and shows preventive measures and equipment for elimination risks.

**INDUSTRIAL PLANT PROTECTION**

29 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. TF19-1847  
Title No. 001899 Sale \$50.25  
Explains the basic principles, standards, and elements of physical security applicable to plants engaged in defense production. Prepared for use by military and civilian security officers and guards.

**METAL GAS SHIELDED ARC WELDING MACHINE OPERATION AND MAINTENANCE**

28 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF09-3135  
Title No. 001900 Sale \$48.75  
Describes the features, operation, and maintenance of metal inert gas and tungsten inert gas shielded arc welding equipment which can be used for welding ferrous and non-ferrous metals.

**INFANT AND CHILD CARE**

14 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0805  
Title No. 425340 Sale \$47.00  
Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.  
From the MEDICAL SELF-HELP series.  
REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION, U S DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, 2205 BELMONT ROAD, WEST HYATTSTOWN, MARYLAND 21702. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO N A C.

**INFANT CARE AND FEEDING**

9 min, 16mm film, optical sd, col 1946  
Producer USIAA Agency No. 08-10434  
Title No. 001901 Rental \$7.50 Sale \$37.25  
Uses animation to show things mother should do during the prenatal period, while baby is nursing and when baby changes from a liquid to a solid diet.  
From the HEALTH FOR THE AMERICAS series.

**INFECTIOUS DIARRHEAS, THE**

15 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-00373  
Title No. 425380 Sale \$51.75  
Discusses the overall problems involved in the control of some enteric diseases. Particularly useful for the general audience.

**INFECTIOUS DIARRHEAS, THE (SPANISH)**

15 min, 16mm film, optical sd, col 1960  
Producer USPHS Agency No. M-0536-SP  
Title No. 001903 Sale \$51.75  
Discusses the overall problems involved in the control of some enteric diseases.

**INFECTIOUS HAZARDS IN THE LABORATORY - SAFE USE OF THE SYRINGE**

16 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1297  
Title No. 425420 Sale \$21.25  
Demonstrates many of the hazards encountered in the use of the syringe for inoculation of animals with infectious material. Emphasis is given to the proper procedures to be followed in selecting and filling the syringe, inoculation techniques, and disposal of contaminated syringes.

**INFECTIOUS HAZARDS OF BACTERIOLOGICAL TECHNIQUES**

13 min, 16mm film, optical sd, col 1951  
Producer USNMAC Agency No. M-0382  
Title No. 006388 Sale \$74.00  
Shows techniques and procedures used in the bacteriological laboratory are presented, showing the dangers of infection inherent in such operations and means for minimizing or elimination of such dangers. Safety cabinets are advocated when performing hazardous operations with infectious micro-organisms.

**INFECTIOUS HEPATITIS**

40 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1827-X  
Title No. 001904 Sale \$81.00  
Emphasizes the epidemiology of viral hepatitis with a broad discussion of the practices in the dissemination of the disease. Describes the importance of improper hygienic practices in the dissemination of infectious hepatitis and the risk of homologous serum hepatitis and Raymond S Koff, MD, Tufts University school of after blood transfusion and tissue-penetrations with contaminated equipment.

**INFECTIOUS HEPATITIS - UNWANTED SOUVENIR**

19 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10394  
Title No. 001951 Sale \$65.00  
Tells how infectious hepatitis affects its victims and how it is spread. Provides guides for eating in public restaurants and for food preparation at home and aboard ships. Especially

useful to personnel and dependents living and on liberty overseas.

#### INFECTIOUS MONONUCLEOSIS

30 min, 16mm film, optical sd, b&w  
Producer USNMAC Agency No. T-1850-X  
Title No. 001952 Sale \$60.50  
Discusses epidemiologic studies needed in this disease, along with its unknown but probable viral etiology. Emphasizes its varied hematologic and immunologic aspects. By William Dameshek, MD, and Louis Weinstein, MD, Tufts University School of Medicine. (Kinescope)

#### INFECTIVE LARVAE OF ANCYCLOSTOMA CANINUM

5 min, 16mm film, optical sd, b&w 1952  
Producer USNMAC Agency No. M-0114  
Title No. 001953 Sale \$9.25  
Portrays the form of infective larvae of the dog hookworm and their behavior on soil particles. A study film.  
RECOMMENDED FOR PROFESSIONAL USE.

#### INFECTIVE LARVAE OF WUCHERERIA BANCROFTI

4 min, 16mm film, silent, col 1947  
Producer USNMAC Agency No. 04-00059  
Title No. 001954 Sale \$14.75  
Cinemicrography of activity of infective larvae of Wuchereria bancrofti from mosquitoes infected with microfilariae (diurna) from Society Islands infection.  
RECOMMENDED FOR PROFESSIONAL USE.

#### INFEED GRINDING A SHAFT OF TWO DIAMETERS

31 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 088  
Title No. 425430 Rental \$10.00 Sale \$53.50  
Explains how to profile-grind shafts by the infeed method, use cams in profiling the regulating wheel and grinding wheel, install cams, profile the wheels, set up the centerless grinding machine for the job, and rough-and finish-profile grind.  
From the MACHINE SHOP WORK series. Operations on the Centerless Grinding Machine, No. 4

#### INFEED GRINDING SHOULDERED WORK

23 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 087  
Title No. 425450 Rental \$10.00 Sale \$40.50  
Describes principles of infeed grinding. Tells how to use an automatic ejector, tilt the regulating wheel, adjust the end-stop, position the work for grinding, and correct work ground out of round. Tells how to check work with V block, indicator, and micrometer.

#### INFLUENZA VIRUS ISOLATION

6 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0778  
Title No. 001955 Sale \$21.25  
Demonstrates technique of virus isolation from clinical specimens by growing in embryonated eggs.

#### INFORMATION EXPANSION, THE

34 min, 16mm film, optical sd, b&w 1966  
Producer USOE  
Title No. 425815 Rental \$12.50 Sale \$71.50  
Suggests the spirit of the revolution in communication that has made it possible for any information, verbal and pictorial, to be stored, duplicated, transferred or transformed, distributed, and received over distances and with speeds unimagined by the human mind a few decades ago. It is concerned with how this flood of information may be responsibly processed, and with the effects of it all on the lives of children.  
From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL MEDIA Series.

#### \*INHERITORS, THE

27 min, 16mm film, optical sd, b&w 1967  
Producer USA Agency No. 04-02523  
Title No. 004531 Rental: W/DRAWN Sale: W/DRAWN  
Shows how Job Corps camps in the United States develop under-skilled and under-educated young men. Points out that

this retraining and movement into the economic mainstream is important to the War on poverty.

#### INJECTION MOLDING, PT 1, SETTING UP THE PRESS AND MOLDING A PART

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 472  
Title No. 426200 Rental \$7.50 Sale \$28.50  
Explains what happens in the plunger cylinder, heating cylinder and mold during injection molding. Shows how to set up an injection molding press for a specified job, maintain the operating cycle and prevent damage.  
From the PLASTICS series. No. 7

#### INJECTION MOLDING, PT 2, CLEANING AND SERVICING THE PRESS

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 473  
Title No. 426201 Rental \$7.50 Sale \$22.25  
Demonstrates how to disassemble the heating cylinder and clean the cylinder, hopper and feeder mechanism. Shows how to prepare scrap material for re-use.  
From the PLASTICS series. No. 8

#### INJECTION NOZZLE

10 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN03691H  
Title No. 001957 Sale \$17.50  
Shows how to test and check injection pressure and disassemble, clean, and reassemble injection nozzle.

#### INJECTOR BLOCK RECONDITIONING AND REASSEMBLY

18 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02364N  
Title No. 001958 Sale \$32.00  
Tells how to clean parts, lap valve seats, remove lapping compound, reassemble all valve parts in the injector block, and reassemble auxiliary parts in the injector block.

#### INJECTOR BLOCK REMOVAL AND DISASSEMBLY

15 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02364M  
Title No. 001959 Sale \$27.00  
Describes how to put throttle in closed position, remove inspection window and injector block, and complete disassembly of the injector block and valve parts at a work bench.

#### INJECTOR BLOCK REPLACEMENT AND TIMING

13 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02364O  
Title No. 001960 Sale \$23.75  
Demonstrates how to replace the injector block and connecting lines, and explains in detail how to set the injector lifts.

#### INJECTOR RACK SETTING FOR GM DIESEL SERIES 71 ENGINE

4 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF55-2369  
Title No. 001961 Sale \$9.50  
Gives procedure to insure adequate fuel for each cylinder, adjusting buffer screw, placing injector in rack and adjusting, and securing locking screws.

#### INJECTOR TIMING FOR GM DIESEL SERIES 71, USING 70MM, 80MM AND 90MM INJECTORS

5 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF55-2368  
Title No. 001962 Sale \$11.25  
Surveys conditions that necessitate injector timing. Gives timing procedures, with particular attention to proper use of timing tool J-1853. Shows adjustment of rocker arm assembly and injector timing.

#### INNERBOTTOM SECTIONS - SUBASSEMBLY OF A CLOSED FLOOR, SUBASSEMBLY OF AN OPEN FLOOR

18 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 025  
Title No. 426460 Sale \$37.50  
Tells how the keel, longitudinal girders, transverse side stiffeners, and tank stops form the innerbottom of a ship. Shows

how to lay out and install closed floor and open floor sections, and to weld stiffeners to the floors.	
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 2	
<b>INNERBOTTOM, THE - SETTING UP FLOORS AND LONGITUDINALS</b>	
18 min, 16mm film, optical sd, b&w	1942
Producer USOE	Agency No. OE 028
Title No. 000789	Sale \$37.50
Tells how to fair the keel, set and fit transverse floors, and set, fit, and weld longitudinal girders.	
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 3	
<b>INNOCENT PARTY, THE (SPANISH)</b>	
18 min, 16mm film, optical sd, col	1959
Producer USMAC	Agency No. M-0683
Title No. 001964	Sale \$61.75
Presents the case history of a teen-ager who contracts venereal disease from a casual contact and transmits it to his girl friend. Shows the emotional effects of the disease, and stresses the necessity of prompt medical attention.	
<b>*INSECT ENEMIES</b>	
7 min, 16mm film, optical sd, col	1947
Producer USIIAA	
Title No. 427040	O/PRINT
Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying pests.	
<b>INSECTS AS CARRIERS OF DISEASE</b>	
10 min, 16mm film, optical sd, col	1945
Producer USOIAA	
Title No. 002239	Rental \$7.50 Sale \$40.75
Shows the fly, mosquito and louse as carriers of dysentery, malaria and typhus. Illustrates how these insects spread disease and what should be done to get rid of them. An animated film.	
From the HEALTH FOR THE AMERICAS series.	
<b>*INSECTS AS CARRIERS OF DISEASE (FRENCH)</b>	
9 min, 16mm film, optical sd, col	1945
Producer USOIAA	
Title No. 427600	Rental: W/DRAWN Sale: W/DRAWN
Shows the fly, mosquito and louse as carriers of dysentery, malaria and typhus. Illustrates how these insects spread disease and what should be done to get rid of them. An animated film.	
From the HEALTH FOR THE AMERICAS series.	
<b>*INSECTS AS CARRIERS OF DISEASE (SPANISH)</b>	
9 min, 16mm film, optical sd, col	1945
Producer USOIAA	
Title No. 004532	Rental \$7.50 Sale \$40.75
Shows the fly, mosquito and louse as carriers of dysentery, malaria and typhus. Illustrates how these insects spread disease and what should be done to get rid of them. An animated film.	
From the HEALTH FOR THE AMERICAS series.	
<b>INSIDE STORY, THE</b>	
15 min, 16mm film, optical sd, col	
Producer USSBA	
Title No. 427915	Rental \$10.00 Sale \$51.75
Illustrates steps which can be taken to limit or prevent pilferage by plant employees. Reveals that an old, trusted employee can be guilty.	
<b>INSIDE THE CELL, PT 1, ENZYMES IN INTRACELLULAR CHEMISTRY</b>	
45 min, 16mm film, optical sd, col	1949
Producer USA	Agency No. PMF 5077A
Title No. 001966	Sale \$153.00
Presents a study of the theory of enzymes, showing by animated drawings the better known steps in glucose metabolism, and portraying by live action photography laboratory techniques practiced by several Nobel prize-winners.	
<b>INSIDE THE CELL, PT 2, REGULATION OF ENZYMES</b>	
43 min, 16mm film, optical sd, col	1949
Producer USA	Agency No. PMF 5077B
Title No. 001967	Sale \$143.50
Explains the factors regulating enzyme action. Shows a laboratory demonstration of feeding radioactive acetate to rats. Discusses the effects of drugs on enzymes, the action of antimetabolites, glycolysis and Krebs's cycle. Pictures the chemical action inside a cell.	
<b>INSOMNIA</b>	
20 min, 16mm film, optical sd, b&w	1945
Producer USN	Agency No. MN03428E
Title No. 001968	Sale \$35.25
Stresses that insomnia is the result of worries, often minor, and of being 'wound up too tight'. Demonstrates a method of relaxing all parts of the body and coaxing oneself to go to sleep.	
<b>INSPECTING AND ADJUSTING HYDRAULIC BRAKES</b>	
13 min, 16mm film, optical sd, b&w	1945
Producer USOE	Agency No. OE 255
Title No. 428175	Sale \$28.50
Tells how to inspect the hydraulic brake system, bleed the hydraulic brakes, add fluid to the hydraulic system reservoir, and check the brakes.	
<b>INSPECTING AND RECONDITIONING PISTON ASSEMBLY</b>	
22 min, 16mm film, optical sd, b&w	1945
Producer USOE	Agency No. OE 283
Title No. 428200	Sale \$46.25
Explains how to clean, inspect and recondition the piston assembly. Shows how to measure clearances and how to install new piston rings.	
From the AIRCRAFT WORK series. Power Plant Maintenance	
<b>INSPECTING AND RECONDITIONING VALVE ASSEMBLY</b>	
25 min, 16mm film, optical sd, b&w	1945
Producer USOE	Agency No. OE 264
Title No. 428250	Sale \$52.50
Demonstrates how to disassemble the valve mechanism, clean and recondition the parts, measure clearances, reassemble the valve mechanism and reinstall pistons and cylinders.	
From the AIRCRAFT WORK series. Power Plant Maintenance	
<b>INSPECTION AND PALPATION OF THE ANTERIOR CHEST</b>	
52 min, 16mm film, optical sd, b&w	1946
Producer USPHS	Agency No. K-1224A&B
Title No. 001969	Sale \$109.00
Demonstrates the techniques involved in the inspection and palpation of cardiovascular pulsations located on the anterior surface of the chest. Indicates physiological and diagnostic implications which can be derived from this type of examination.	
<b>INSPECTION AND PREPARATORY STEPS</b>	
8 min, 16mm film, optical sd, b&w	
Producer USN	Agency No. MN03691A
Title No. 002240	Sale \$14.25
Covers the preliminary steps, including inspection, in the maintenance and repair of a Fairbanks Morse diesel engine, model 38D8 1/8 O.P..	
<b>INSPECTION OF PISTON</b>	
10 min, 16mm film, optical sd, b&w	1943
Producer USN	Agency No. MN02364F
Title No. 002241	Sale \$17.50
Demonstrates how to inspect piston covers and piston head, measure ring clearance, remove and inspect rings and ring grooves, measure piston pin and bearings, and record measurements.	
<b>INSPECTION OF THREADS</b>	
22 min, 16mm film, optical sd, b&w	1944
Producer USOE	Agency No. OE 148
Title No. 002242	Sale \$44.50
Tells how to identify different parts of an American National Standard thread, inspect external threads with a roll snap gage, adjust the roll snap gage, and inspect internal threads with a plug gage.	

\* INDICATES NEW ENTRY

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From the AIRCRAFT WORK series. Inspection, No. 4

**INSPECTION, MAINTENANCE, AND OPERATION OF AUTOMATIC SPRINKLER SYSTEMS**

26 min, 16mm film, optical sd, col 1959  
Producer USAF Agency No. TF01-5303  
Title No. 428275 Rental \$12.50 Sale \$84.75  
Explains the importance of automatic sprinkler systems in fire protection and control. Demonstrates inspection and maintenance procedures common to all systems, and emphasizes the wet pipe, dry pipe, and deluge systems.

**INSPECTORS, THE**

25 min, 16mm film, optical sd, col 1969  
Producer USFAA Agency No. FA-0701  
Title No. 002243 Sale \$84.75  
Shows FAA's inspectors aboard their 'flying laboratories' as they check and double-check all navigational aids defining the airways. Points out that the inspectors fly seventeen million miles each year in their around-the-world, around-the-clock inspection of facilities to make the airways safe.

**INSTALLATION OF CYLINDER HEAD**

23 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03708E  
Title No. 002244 Sale \$40.50  
Shows how to position the cylinder head and install injector linkages, fuel lines, rocker arm assemblies, test valves, and piston cooling oil lines.

**INSTALLATION OF LINER AND PISTON**

23 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03708D  
Title No. 002246 Sale \$40.50  
Shows how to install liners, blade rod piston as assembly, fork rod piston assembly, and secure pistons with the bearing cap.

**INSTALLING AND ALIGNING TAIL SURFACES**

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 259  
Title No. 428365 Sale \$39.25  
Shows how to inspect and remove damaged tail surfaces, and prepare new parts for installation. Describes how to install new stabilizers, elevators, and rudder.

From the AIRCRAFT WORK series. Aircraft Maintenance

**INSTALLING AND CONNECTING TELLTALE PANEL**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 116  
Title No. 428375 Sale \$30.50  
Shows how to lay out telltale unit, remove insulation from cable, reinsulate conductors and cable, and connect conductors to the multiconnection box.

From the SHIPBUILDING SKILLS series. Marine Electricity, No. 7

**INSTALLING CONDUIT**

25 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 381  
Title No. 428400 Rental \$10.00 Sale \$43.75  
Shows how to bend electrical metallic tubing, install tubing runs, bend rigid conduit, install rigid conduit runs and use flexible conduit.

From the ELECTRICAL WORK series. Wiring, No. 12

**INSTALLING LANDING GEAR**

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 257  
Title No. 428380 Sale \$40.50  
Shows how to remove damaged landing gear. Shows how to replace old bolts, nuts, and cotter pins. Describes how to install an aircraft bolt properly, assemble and install a new landing gear, and check alignment and track of wheels.

From the AIRCRAFT WORK series. Aircraft Maintenance

**INSTALLING SURFACE METAL RACEWAY**

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 380  
Title No. 428450 Rental \$7.50 Sale \$38.50  
Shows how to install a molding raceway run to ceiling outlet,

from ceiling outlet to wall switch, from ceiling outlet to wall fan, and to floor outlet.

From the ELECTRICAL WORK series. Wiring, No. 11

**INSTALLING VALVES AND STRAINER ON SEA CHEST**

12 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 099  
Title No. 428455 Sale \$26.75  
Tells how studs are driven and checked for accuracy, valves are installed on sea chests, and how strainer is prepared for and installed on sea chest.

From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 5

**INSTALLING VALVES IN ENGINE ROOM SYSTEMS, PT**

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 123  
Title No. 428480 Sale \$26.75  
Describes identification of principal units in engineroom system and function of valves in controlling cycle of steam. Includes design and functions of gate valve, globe valve, and check valve.

From the SHIPBUILDING SKILLS series. Pipefitting, No. 8

**OTHER FORMATTING OR VERSIONS**

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 124  
Title No. 428481 Sale \$33.25

**INSTALLING VITREOUS FIXTURES**

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 121  
Title No. 428485 Sale \$39.25  
Shows how to lay out, drill, and tap the seating. Describes how to measure and cut brass studs, make watertight installations, and assemble and connect the flushometer.

From the SHIPBUILDING SKILLS. PIPEFITTING, NO. 8

**INSTRUCTING THE BLIND WORKER ON THE JOB**

14 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 166  
Title No. 002247 Rental \$7.50 Sale \$30.50  
Shows how a supervisor trains a blind worker to operate a drill press.

**INSTRUCTING THE DISABLED WORKER ON THE JOB**

14 min, 16mm film, optical sd, b&w 1946  
Producer USOE Agency No. OE 400  
Title No. 002248 Rental \$7.50 Sale \$25.50  
Dramatizes instances of poor and good instruction of disabled workers, and shows how a one-armed worker successfully learns to operate a drill press.

From the PROBLEMS IN SUPERVISION series.

**INSTRUCTING THE WORKER ON THE JOB**

14 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 155  
Title No. 002249 Rental \$7.50 Sale \$25.50  
Dramatizes how not to instruct a new worker and the results of poor on-the-job instruction. Tells how such instruction should be done.

From the PROBLEMS IN SUPERVISION series.

**INSTRUCTING THE WORKER ON THE JOB (SPANISH)**

14 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 155  
Title No. 002250 Rental \$7.50 Sale \$25.50  
Dramatizes how not to instruct a new worker and the results of poor on-the-job instruction. Tells how such instruction should be done.

From the PROBLEMS IN SUPERVISION series.

**INSTRUCTIONAL TELEVISION AT PENNSYLVANIA STATE UNIVERSITY**

60 min, 16mm film, optical sd, b&w 1970  
Producer USOE Agency No. OE 512  
Title No. 428800 Rental \$15.00 O/PRINT  
Gives information regarding the experiences of one institution of higher learning with the successful use of closed circuit television on a campus-wide basis.

**INSTRUMENT EXCHANGE IN FOUR-HANDED DENTISTRY**

7 min, 16mm film, optical sd, col

Producer USDDH

Title No. 428880

Sale \$31.25

Demonstrates the technique of dental instrument exchange between the dentist and dental chart room assistant.

**INSTRUMENT FLIGHT CONTROL - DIAPHRAGM INSTRUMENTS**

17 min, 16mm film, optical sd, b&amp;w

1954

Producer USN

Agency No. FN08048A

Title No. 428872

Sale \$30.50

Gives operating principles and mechanism of air speed indicator, rate of climb indicator, altimeter, and shows action of pilot static system.

**INSTRUMENT FLIGHT CONTROL - GYROSCOPE INSTRUMENTS, PT II**

21 min, 16mm film, optical sd, b&amp;w

1961

Producer USN

Agency No. FN08048E

Title No. 428373

Sale \$37.00

Gives operating principles of the attitude gyro, vertical gyro indicator, directional gyro, the gyro stabilized compass, turn and slip indicator.

**INSTRUMENT FLIGHT CONTROL - THE DIRECT INDICATING MAGNETIC COMPASS**

10 min, 16mm film, optical sd, b&amp;w

1954

Producer USN

Agency No. FN08048C

Title No. 428371

Sale \$17.50

Shows errors of magnetic variation and deviation, principle parts and mechanical operation of the magnetic compass, use of the compass rose, correction for lag and lead, and magnetic variation and deviation.

**INSTRUMENT FLYING TECHNIQUES - APPROACH PROCEDURES**

25 min, 16mm film, optical sd, b&amp;w

1961

Producer USAF

Agency No. TF-1-5342C

Title No. 002251

Sale \$43.75

Teaches pilots the procedures to follow in approaching an airfield under unfavorable weather conditions. Describes the types of facilities available. Gives particular emphasis to for and tacan approach principles. Outlines advantages of obtaining an early landing clearance.

**INSTRUMENT FLYING TECHNIQUES - BASIC INSTRUMENTS**

30 min, 16mm film, optical sd, b&amp;w

1961

Producer USAF

Agency No. TF01-5342A

Title No. 428874

Sale \$52.00

Emphasizes the importance of learning, perfecting and practicing instrument flying techniques. Includes instrument coverage, instrument interpretation and control techniques. Explains use of control and performance instruments.

**INSTRUMENT FLYING TECHNIQUES - TAKE-OFF AND UNUSUAL ALTITUDES**

15 min, 16mm film, optical sd, b&amp;w

1961

Producer USAF

Agency No. TF01-5342B

Title No. 428878

Sale \$27.00

Familiarizes pilots with the technique of instrument take-off. Points out that good instrument take-off depends on how a pilot interprets and cross checks his instruments. Explains recovery procedures from unusual altitudes on instruments alone.

**INSTRUMENT LANDING SYSTEM, PT 1, THE LOCALIZER**

22 min, 16mm film, optical sd, col

1964

Producer USFAA

Agency No. FA-0305A

Title No. 002252

Sale \$74.75

Illustrates the part that systems maintenance sector personnel play during flight inspection of the ILS localizer. Depicts the coordinated efforts of the ground maintenance personnel and the flight inspection crews as the flight inspection is performed. Both aircraft measurements and ground adjustments are shown to illustrate the closely related efforts necessary to complete an efficient flight inspection of the ILS localizer.

**INSTRUMENT LANDING SYSTEM, PT 2, - THE GLIDE SLOPE**

14 min, 16mm film, optical sd, col

1964

Producer USFAA

Agency No. FA-0305B

Title No. 002253

Sale \$48.50

Illustrates the part that systems maintenance sector personnel play during flight inspection of the glide slope. Depicts the coordinated efforts of the ground maintenance personnel and the flight inspection crews as the flight inspection is performed. Both aircraft measurements and ground adjustments are shown to illustrate the closely related efforts necessary to complete an efficient flight inspection of the glide slope.

**INSTRUMENT UNIT, THE**

5 min, 16mm film, optical sd, col

1969

Producer USNASA

Agency No. AD 013

Title No. 002254

Sale \$22.00

Shows a Saturn V section containing electronics instrumentation for guidance and navigation, and shows assembly and testing of the major parts.

From the APOLLO DIGEST series.

**INTEGRATED LANDING AIDS, PT 1**

25 min, 16mm film, optical sd, col

1949

Producer USN

Agency No. MN06613A

Title No. 429250

O/PRINT

Explains the elements of GCA (ground control approach) and shows how an instrument landing is made under adverse weather conditions.

**INTEGRATED LANDING AIDS, PT 2**

26 min, 16mm film, optical sd, col

1949

Producer USN

Agency No. MN06613B

Title No. 429251

Rental \$7.50 O/PRINT

Covers landing aids at an airport, particularly high intensity lighting of approaches and runways and fog dispersal equipment.

**INTEGRATED NURSERY, AN**

7 min, 16mm film, optical sd, col

1970

Producer USBEH

Title No. 429275 Rental \$7.50 Sale \$45.00

Shows hearing impaired children integrated with normally hearing children in group and tutoring sessions in Sweden.

From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.

**INTENSIVE CARE**

18 min, 16mm film, optical sd, col

1964

Producer USNMAC

Agency No. M-0693

Title No. 002256

Sale \$61.75

Explains establishment and operation of an intensive patient care ward in the hospital. Gives a detailed description of the intensive care room and its relation to progressive patient care. Covers the flexibility of the units, the skilled staff which operates the unit, and some of the administrative policies.

**INTENSIVE RESPIRATORY CARE**

30 min, 16mm film, optical sd, col

1968

Producer USNMAC

Agency No. M-1628-X

Title No. 002257

Sale \$100.00

Designed to instruct physicians in the proper techniques for diagnosing and treating acute respiratory failure. Informs physicians on the pathophysiological approach to the treatment of respiratory failure. Includes a two-minute animated segment showing lung pathology and physiology.

**INTERCEPT**

10 min, 16mm film, optical sd, col

1959

Producer USAF

Agency No. SFP 0657

Title No. 429567

Sale \$34.00

Highlights the computer phase of the Sage-Bomarc program from initial planning to integration of Bomarc into the Sage system.

CLEARED FOR TV.

<b>INTERIOR AND EXTERIOR TRIM</b>		<b>INTESTINAL PARASITES, PT 2, INTESTINAL AMEBIASIS</b>
12 min, 16mm film, optical sd, b&w Producer USN Title No. 429850 Covers the installation of doors and windows and the finishing trim around them.	1950 Agency No. MN06719E Sale \$22.25	24 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002264 Shows various examples of this disease entity, symptomatology, typical and atypical ulcers, preparation of wet smears, and diagnostic data. (Kinescope)
<b>INTERMITTENT TRANSISTOR SAWTOOTH GENERATOR</b>		<b>INTESTINAL PARASITES, PT 3, EXTRAINTESTINAL AMEBIASIS</b>
34 min, 16mm film, optical sd, b&w Producer USAF Title No. 002258 Develops a sawtooth generator and explains the operation of the circuit and waveforms, and the purpose of each component. (Kinescope)	Agency No. TVK 30-818 Sale \$70.50	19 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002265 Discusses liver abscess and cutaneous amebiasis using supportive radiographic and illustrative material. (Kinescope)
<b>INTERNATIONAL CO-OPERATION IN SPACE</b>		<b>INTRA-ORAL FIXATION OF JAW FRACTURES, PT 1</b>
23 min, 16mm film, optical sd, col Producer USNASA Title No. 002259 Describes NASA's program of co-operation with many in launching international satellites, carrying of foreign experiments on U S spacecrafts, sounding rocket research, global tracking networks.	1966 Agency No. HQ 060 Sale \$91.50	14 min, 16mm film, optical sd, col Producer USVA Title No. 002395 Demonstrates methods of fixation most commonly used in management of jaw fractures. Includes the use of ligature wires, eyelets, continuous loops, single loops, horizontal levers, and arch bars.
<b>INTERNATIONAL ICE PATROL</b>		<b>INTRA-ORAL FIXATION OF JAW FRACTURES, PT 2 (REV ED)</b>
22 min, 16mm film, optical sd, b&w Producer USIA Title No. 002260 Shows how the U S Coast Guard, operating under international agreements, patrols the North Atlantic shipping lanes in search of icebergs, and issues warnings to ships. Illustrated through a portrayal of the cutter Mendota's search for Iceberg NO. 39.	1949 Rental \$7.50 Sale \$46.25	15 min, 16mm film, optical sd, col Producer USVA Title No. 002323 Shows method of fixation most commonly used in the management of jaw fractures. Includes the use of splints, circumferential wiring and direct wiring to zygomatic process and nasal spine.
<b>INTERNATIONAL NAVAL REVIEW</b>		<b>*INTRACELLULAR TRANSPORT APPARATUS OF PHLOEM FIBERS</b>
11 min, 16mm film, optical sd, col Producer USN Title No. 430524 Shows high spots of the festival at Jamestown, including the U S Atlantic Fleet welcoming seventeen visiting navies to the International Naval Review at Norfolk, Va.	1958 Agency No. MN08771A Sale \$37.25	11 min, 16mm film, silent, b&w Producer USDA Title No. 003962 By the use of microphotography, protoplasmic behavior of a living phloem fiber is shown, including transport of plastids over a rotational course inside of these greatly elongated cells. Illustrates three anatomical features of phloem fibers thought to be involved in translocation in plants.
<b>INTERNATIONAL SKIES</b>		<b>INTRAUTERINE AND NEONATAL SCREENING</b>
5 min, 16mm film, optical sd, col Producer USFAA Title No. 002261 Highlights training of foreign nationals both in the U S and in their own countries through FAA's technical assistance. Shows that international cooperation is the key to FAA projects around the world as is evidenced by the hundreds of aviation technicians who come from various nations each year to learn from FAA and to exchange ideas.	1969 Agency No. FA-0904 Sale \$19.50	9 min, 16mm film, optical sd, col Producer USBEH Title No. 431204 Demonstrates the assessment of auditory function in utero by Wedenberg, Westin, and Johansson in Stockholm and use of the Murphy Cradle at Reading, England. From the <i>INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series</i> .
<b>INTERVIEWING PRINCIPLES AND TECHNIQUES</b>		<b>INTRAVENOUS ADMINISTRATION OF FLUIDS</b>
17 min, 16mm film, optical sd, b&w Producer USN Title No. 002262 Demonstrates a classification interview illustrating principles of good interviewing, including--preparation, approach, getting the facts, use of simple terminology, guiding the conversation, and preventing interruptions.	1951 Agency No. MN-7360 Sale \$30.50	18 min, 16mm film, optical sd, b&w Producer USN Title No. 002396 Describes the responsibilities of hospital corpsmen and demonstrates the specific procedures that they must follow when preparing a patient and in assisting the medical officer to administer large doses of fluids to patients in naval hospitals.
<b>INTESTINAL BIOPSY CAPSULE, THE</b>		<b>INTRODUCING BELGIUM</b>
6 min, 16mm film, optical sd, col Producer USA Title No. 002263 Depicts the features, use, and operation of the intestinal biopsy capsule devised by the Walter Reed Army Medical Center to study disease and normal functioning of the small intestine. Shows how the capsule, swallowed orally by the patient, makes possible single and several simultaneous biopsies at different levels of the small intestine.	1961 Agency No. PMF 5337 Sale \$21.25	22 min, 16mm film, optical sd, b&w Producer NATO Title No. 002397 Describes the geography, economy and history of Belgium. Discusses the occupations and social customs of the people. Explains the role of Belgium in the North Atlantic Treaty Organization. From the <i>ATLANTIC COMMUNITY series</i> .
<b>INTESTINAL PARASITES, PT 1, INTRODUCTION AND TECHNIQUES OF HANDLING SPECIMENS</b>		
29 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002266 Reviews effects of parasites on various organ systems in man and discusses various diagnostic techniques. (Kinescope)	1969 Agency No. T-1701 Sale \$59.50	

\* INDICATES NEW ENTRY

**INTRODUCING CANADA**

22 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002398 Sale \$46.25  
Describes the country and people of Canada. Historical development, geographical features, economic life, occupations and social customs are shown.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING DENMARK**

20 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002399 Sale \$42.50  
Shows the land and its use, the people, industries, schools and recreation. Emphasizes interdependence of NATO countries.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING FRANCE**

20 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002418 Sale \$42.50  
Presents contemporary France--her colonies, great ports, cultural traditions and leadership as a center of learning.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING GERMANY**

23 min, 16mm film, optical sd, b&w 1957  
Producer NATO  
Title No. HL8002419 Sale \$48.75  
Shows the west German Republic as a nation rebuilding economically and hopeful for peace.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING GREECE**

16 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002420 Sale \$34.25  
Describes Greece and its people. Includes geography, history, achievements, economic life, occupations and social customs.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING ICELAND**

18 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002421 Sale \$38.00  
Shows character of the land, the people, schools, and social customs.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING ITALY**

21 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002422 Sale \$42.50  
Describes the country, the people of Italy, geography, history, achievements, economic life, occupations and social customs.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING LUXEMBOURG**

22 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002423 Sale \$48.25  
Shows Luxembourg--the major cities, terrain, people and industry.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING NORWAY**

19 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002424 Sale \$40.00  
Shows life in Arctic towns--includes the importance of the sea, forests and power from the rivers.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING PORTUGAL**

18 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002425 Sale \$38.00  
Shows location, character of the land, man's use of the land, industries, cities and fishing villages of Portugal.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING THE NETHERLANDS**

22 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002426 Sale \$48.25  
Shows the major cities, terrain, people and industries of the Netherlands, one of the North Atlantic Treaty members.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING THE NEW WORKER TO HIS JOB**

16 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 154  
Title No. 002427 Rental \$7.50 Sale \$28.50  
Dramatizes how not to orient a new employee and get him started on his job. Tells what should have been done.  
From the PROBLEMS IN SUPERVISION series.

**INTRODUCING THE UNITED KINGDOM**

22 min, 16mm film, optical sd, b&w 1955  
Producer NATO  
Title No. 002428 Sale \$48.25  
Describes the countries and people of the United Kingdom. Includes the geography, history and achievements, economic life, occupations and social customs.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING THE UNITED STATES**

21 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002429 Sale \$42.50  
Describes the United States and its people. Gives an overview of the geography and history, economic life, occupations of the people and social customs. Briefly explains the U S role in the North Atlantic Treaty Organization.  
From the ATLANTIC COMMUNITY series.

**INTRODUCING TURKEY**

21 min, 16mm film, optical sd, b&w 1956  
Producer NATO  
Title No. 002430 Sale \$44.50  
Shows modern Turkey and older areas of this country. Indicates that modern machinery is replacing old methods.  
From the ATLANTIC COMMUNITY series.

**INTRODUCTION - THE ABSORBING SURFACE**

10 2x2 slides, 1/4 in. audiotape, col  
Producer USNMAC Agency No. S-1727-X  
Title No. 002431 Sale \$6.00  
Gives an introduction to the first four units in the Fat Absorption in Health and Disease series--the absorbing surface, fat digestion, fat absorption and the enterohepatic circulation of bile acids and the subsidiary basic and clinical lectures for those familiar with the core material.  
From the FAT ABSORPTION IN HEALTH AND DISEASE series.

**\*INTRODUCTION - 1**

17 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. Z-101  
Title No. 003404 Sale \$38.50  
Describes the techniques of verbalization and a structure for teaching speech.  
From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Introduction

**\*INTRODUCTION - 2, PT 1**

14 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. Z-102-1  
Title No. 003405 Sale \$33.25  
Describes and illustrates the model of face a through the presentation and imitation stages.  
From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Introduction: Speech Model

\* INDICATES NEW ENTRY

**\*INTRODUCTION - 2, PT 2**

11 min, 16mm film, optical sd, b&w  
 Producer USBEH Agency No. Z-102-2  
 Title No. 003406 Sale \$26.75  
 Shows how face a is continued from imitation stage to production stage.  
 From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF*  
 Series. *Introduction: Speech Model*

**\*INTRODUCTION - 2, PT 3**

13 min, 16mm film, optical sd, b&w  
 Producer USBEH Agency No. Z-102-3  
 Title No. 003407 Sale \$28.75  
 Shows the progressions of learning a speech skill through the three faces of the model.  
 From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF*  
 Series. *Introduction: Speech Model*

**INTRODUCTION TO AIRCRAFT ENGINE INSTRUMENTS**

16 min, 16mm film, optical sd, b&w 1964  
 Producer USA Agency No. TF46-3406  
 Title No. 002432 Sale \$34.25  
 Shows use of aircraft engine instruments by mechanic and aviator to check condition of the engine.  
 CLEARED FOR TV.

**INTRODUCTION TO AIRCRAFT FLIGHT INSTRUMENTS**

28 min, 16mm film, optical sd, b&w 1964  
 Producer USA Agency No. TF46-3405  
 Title No. 432860 Sale \$48.75  
 Defines requirement for properly functioning instruments for safe flight and underscores importance of regular inspection and maintenance.

**INTRODUCTION TO AMPLITUDE MODULATION**

26 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-525  
 Title No. 002433 Sale \$54.75  
 Gives a brief history of major developments in the communications field to point out why amplitude modulation came into being. Explains how intelligence can be transmitted by amplitude modulating a high frequency wave with an intelligence signal. Defines such terms as modulation, intelligence signal and carrier wave. Discusses a basic block diagram of an AM transmitter to show the method of producing an amplitude modulated wave. (Kinescope)

**INTRODUCTION TO ANALOG COMPUTERS**

120 min, 16mm film, optical sd, col 1963  
 Producer USAEC Agency No. 0481  
 Title No. 002434 Sale \$346.50  
 Discusses the programming techniques and components of an electronic analog computer. Presents the solutions to typical computer problems.

**INTRODUCTION TO APHASIA**

30 min, 16mm film, optical sd, col 1950  
 Producer USVA  
 Title No. 433050 Rental \$12.50 Sale \$101.00  
 Defines and describes aphasia, discusses receptive and emissive language functions, and differentiates various types of aphasia--such as agnosia, agraphia, and paraphasia. Primarily animation.

**INTRODUCTION TO ARMY AIR DEFENSE SYSTEMS**

23 min, 16mm film, optical sd, col 1966  
 Producer USA Agency No. TF44-3687  
 Title No. 002435 Sale \$78.25  
 Provides an introduction to U S Army Air Defense Systems, currently operational, and a look into future Air Defense developments.

**INTRODUCTION TO AUTOMATIC DATA PROCESSING**

31 min, 16mm film, optical sd, b&w 1958  
 Producer USA Agency No. TF11-2552  
 Title No. 433235 Sale \$53.50  
 Discusses the Automatic Data Processing System (ADPS), explaining its underlying concept, capabilities, operation, and application as a new management tool.

**INTRODUCTION TO COMBAT FATIGUE--DOCTOR'S VERSION**

31 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN03428B  
 Title No. 002436 Sale \$53.50  
 Analyzes fear and relates the symptoms of combat fatigue such as--startled reaction, irritability, nightmares, and tension to their causes through flashbacks of simulated action in a combat area.

**INTRODUCTION TO COMBAT FATIGUE--PATIENT'S VERSION**

30 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN03428A  
 Title No. 002437 O/PRINT  
 Analyzes fear and relates the symptoms of combat fatigue such as--startled reaction, irritability, nightmares, and tension to their causes through flashbacks of simulated action in a combat area.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

**INTRODUCTION TO DETECTION**

14 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-521  
 Title No. 002438 Sale \$30.75  
 Explains what 'detection' is and why it is needed. Gives a general explanation of detector functions through discussion of basic circuit operation. (Kinescope)

**INTRODUCTION TO DISCRIMINATORS**

38 min, 16mm film, optical sd, b&w 1965  
 Producer USAF Agency No. TVK 30-608  
 Title No. 002439 Sale \$78.50  
 Defines discrimination and lists the three basic requirements of a discriminator. Discusses the block diagram of a typical FM receiver, emphasizing the operation of a simple stagger tuned discriminator as the input frequency varies above and below the center frequency. (Kinescope)

**INTRODUCTION TO ENVIRONMENTAL ENGINEERING**

22 min, 16mm film, optical sd, col 1962  
 Producer USN Agency No. MN09665  
 Title No. 002440 O/PRINT  
 Highlights some of the more important environmental engineering management areas and interrelates them in problem-solving approaches.

**INTRODUCTION TO ERIC**

13 min, 35mm filmstrip, record, col 1970  
 Producer USOE  
 Title No. 002441  
 Sold only as part of the ERIC series.  
 From the ERIC series.

**\*INTRODUCTION TO FIRE BEHAVIOR**

17 min, 16mm film, optical sd, col 1960  
 Producer USDA Agency No. 1415  
 Title No. 003960 Sale \$78.00  
 Shows the basic fundamentals for combustion and the influences of fuel, weather, and topography on fire behavior in animation and table-top photography. Emphasizes the many factors that make a fire burn the way it does and demonstrates how strategy can be planned from knowledge of this behavior.

**\*INTRODUCTION TO FIRE BEHAVIOR (SPANISH)**

17 min, 16mm film, optical sd, col 1960  
 Producer USDA Agency No. 1415  
 Title No. 003961 Sale \$73.00  
 Shows the basic fundamentals for combustion and the influences of fuel, weather, and topography on fire behavior in animation and table-top photography. Emphasizes the many factors that make a fire burn the way it does and demonstrates how strategy can be planned from knowledge of this behavior.

**INTRODUCTION TO FORENSIC MEDICINE**

28 min, 16mm film, optical sd, b&w 1970  
 Producer USNMAC Agency No. T-1900  
 Title No. 002442 Sale \$58.50  
 Provides a basic introduction to the functions of the Office of Medical Examiner, including a discussion of approaches to

deductive reasoning and examination in this field. Discusses the integrity required of this position, its interpretative ambiguity, and its interrelationship with the community, the hospital, the physician, and the law. (Kinescope)

**RESTRICTED TO PROFESSIONAL AUDIENCES--RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE. CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY.**

#### INTRODUCTION TO HAND TOOLS, THE, PT 1

11 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN07831A  
Title No. 434101 Sale \$19.25

Discusses the general principles governing the use of hand tools in the Navy--choosing the right tool for the job, using the tool correctly, using it safely, and keeping the tool in good condition.

#### INTRODUCTION TO HETERODYNING

35 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-619  
Title No. 002443 Sale \$72.50

Defines the terms heterodyning, local oscillator, and mixer. Shows a mixed wave constructed graphically, and lists the frequencies produced by beating two electrical signals together. Uses tuning forks to demonstrate the heterodyning (or mixing) of two sound waves. Discusses the requirements of mixing and the methods of extracting the desired output frequency. (Kinescope)

#### INTRODUCTION TO HIGHWAY HYDRAULICS

21 min, 16mm film, optical sd, col 1960  
Producer USFHWA  
Title No. 434149 Sale \$71.50

Illustrates some fundamental principles of hydraulics of open channel flow. The principles are illustrated by hydraulic models in the laboratory and correlated with field highway installations where possible.

#### INTRODUCTION TO ISOKINETIC EXERCISE

13 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1441  
Title No. 002444 Sale \$43.75

Explains and illustrates the principle of isokinetic exercise in filmograph form.

#### INTRODUCTION TO LC OSCILLATORS

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-536  
Title No. 002445 Sale \$60.50

Shows the action of a mechanical oscillator (pendulum)--defines an oscillation, determines the frequency and amplitude of the oscillations, and shows damping in the mechanical oscillator. (Kinescope)

#### \*INTRODUCTION TO MAMMOGRAPHY

23 min, 2x2 slide set, 1/4 in. audiotape, col 1973  
Producer USNMAC Agency No. S-2800  
Title No. 003121 Sale \$12.00

Illustrates a general introduction to technique of mammography.

From the MAMMOGRAPHY series.

SUGGESTED FOR PROFESSIONAL GROUPS ONLY

#### INTRODUCTION TO MULTIVIBRATORS

38 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-808  
Title No. 002446 Sale \$78.50

Defines a multivibrator, identifies the components in a multivibrator circuit and discusses applications of waveforms produced by the circuit. Demonstrates what happens when two amplifiers are RC coupled and how the output waveforms from a multivibrator are produced. Discusses the three classes of multivibrators--astable, monostable and bistable, and shows how each class is determined. (Kinescope)

#### INTRODUCTION TO NAS (NATIONAL AIRSPACE SYSTEM) EN ROUTE STAGE A

30 min, 16mm film, optical sd, col 1969  
Producer USFAA Agency No. FA-0710  
Title No. 002447 Sale \$101.00

Explains in depth FAA's semi-automatic system for expediting en route air traffic control. Advanced radar systems, 'alpha numerics' and the controller's computerized working environment are featured.

#### INTRODUCTION TO NURSING IN A CORONARY CARE UNIT

20 min, 16mm film, optical sd, col 1987  
Producer USNMAC Agency No. M-1481  
Title No. 002448 Sale \$88.00

Demonstrates the nurse's role in the care of the coronary patient. Includes life-saving procedures which should be used before the doctor arrives and explains electronic equipment which can determine the type of heart attack the patient is having.

#### INTRODUCTION TO OPTICS

17 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN02449A  
Title No. 434650 Rental \$7.50 Sale \$30.50

Uses animation and practical examples to illustrate the principles of light waves and rays, to show how light is refracted and reflected, and to explain image formation in relation to concave and convex lenses. Studies these principles as applied to optical instruments.

#### INTRODUCTION TO PHANTASTRON

23 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-814  
Title No. 002449 Sale \$48.75

Points out the significant features of the phantastron circuit, discusses the purpose of each component, and then uses a block diagram to explain how the phantastron circuit works in target discrimination. Illustrates this, by showing pictorially, signals being picked up on a scope. Explains briefly how the phantastron is used to produce a linear sweep. (Kinescope)

#### INTRODUCTION TO PREVENTIVE MAINTENANCE

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 461  
Title No. 434930 Rental \$7.50 Sale \$22.25

Tells importance of preventive maintenance in truck operation. Describes typical checks of the clutch pedal, battery, and voltage regulator.

#### INTRODUCTION TO PROLONGED ARTIFICIAL VENTILATION

40 min, 16mm film, optical sd, col  
Producer USA Agency No. PMF 5348  
Title No. 002450 Sale \$133.75

Teaches the principles of safe prolonged mechanical artificial ventilation, safe tracheotomy care, and transportation of apneic patients.

#### INTRODUCTION TO REACTANCE TUBE MODULATOR

35 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-605  
Title No. 002451 Sale \$72.50

Gives the purpose of the components in the reactance tube modulator and the operating characteristics of the circuit. Explains how the phase-shifting network can cause the reactance tube to act both inductively and capacitively. (Kinescope)

#### INTRODUCTION TO RECEIVERS

23 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-609  
Title No. 002718 Sale \$48.75

Identifies each block in a block diagram of a super-heterodyne receiver. Discusses the purpose of each stage and shows output signals from each stage on an oscilloscope. (Kinescope)

## INTRODUCTION TO RESPIRATORY AND CARDIAC RESUSCITATION

35 min, 16mm film, optical sd, col 1962  
Producer USAF Agency No. PMF-5349  
Title No. 002453 Sale \$117.50  
Shows technique used on patients rendered unconscious by drug-mouth-to-mouth and mouth-to-nose, respiratory and mechanical oxygen equipment, and cardiac resuscitation.

## INTRODUCTION TO SINGLE SIDEBAND

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-611  
Title No. 002454 Sale \$54.75  
Compares a conventional amplitude modulated wave to the single sideband wave, through the use of an oscilloscope and associated equipment. Explains the characteristics of single sideband communication, and gives the two requirements of a single sideband transmitter. (Kinescope)

## INTRODUCTION TO SWIMMING POOL SANITATION

24 min, 16mm film, optical sd, col 1959  
Producer USNMAC Agency No. M-0402  
Title No. 002455 Sale \$81.50  
An introductory lecture for courses in swimming-pool sanitation.

## INTRODUCTION TO SYNCHROS

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-706  
Title No. 002456 Sale \$82.25  
Shows illustrations of equipment operated by remote control. Explains that each remote indicating system has two basic components--a generator and a motor. Shows how to dismantle a synchro generator and motor, and explains the purpose of each individual part. Shows how to determine, by the use of schematic diagrams, the symbols for the stator and rotor and the electrical connections between synchro generator and motor. (Kinescope)

## INTRODUCTION TO UNDERWATER SOUND

19 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MN 8857  
Title No. 435745 Sale \$33.75  
Demonstrates the basic principles of underwater sound by means of art, animation and sound effects. Shows how a knowledge of these principles is essential to an understanding of a sonar.

## INTRODUCTION TO VECTORS - COPLANAR CONCURRENT FORCES

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 361  
Title No. 435850 Rental \$7.50 Sale \$38.50  
Explains the meaning of scalar and vector quantities and describes how to add them. Shows the methods of composition and resolution and their use in solving engineering problems.  
From the ENGINEERING series. Fundamentals of Mechanics

## INVASION BY OIL

22 min, 16mm film, optical sd, col 1969  
Producer USAE  
Title No. 002457 Sale \$100.00  
Tells the story of the Ocean Eagle tanker breaking in half in the San Juan, Puerto Rico harbor, creating a hazard to navigation and spilling oil onto the beaches. Describes the salvage operation by the U S Army Corps of Engineers in removing the tanker.

## INVASION OF SOUTHERN FRANCE

19 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. CHR-C-008  
Title No. 436205 Sale \$33.75  
Portrays the invasion of Southern France by the 7th U S Army and its subsequent junction with the 3rd Army in northern France.

## \*INVESTIGATION - A TOOL FOR ACCIDENT PREVENTION

7 min, 16mm film, optical sd, col 1968  
Producer USBM  
Title No. 003528 Sale \$29.50  
Shows the value of supervisors investigating accidents in the mining industry, to enlighten them to the various kinds of accidents, their causes, and prevention.  
From the FOREMANSHIP TRAINING series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

## INVISIBLE BATTLEGROUND, THE

31 min, 16mm film, optical sd, col 1962  
Producer USA Agency No. MF11-9416  
Title No. 436525 Sale \$104.25  
Shows efforts and facilities at electronic environmental test facility, Ft Huachuca, to solve radio interference problems of the field army.

## \*INVOLUNTARY HOSPITALIZATION OF THE PSY CHIATRIC PATIENT - SHOULD IT BE ABOLISHED?

29 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1748  
Title No. 436765 Sale \$50.25  
Features a debate in which Dr Masserman contends that there are certain clinical situations in which an individual must be hospitalized for psychiatric reasons against his will, whereas Dr Szasz contends that psychiatry must be practiced on a purely contractual basis with the patient.  
From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

## IODINE-131

15 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002458 Sale \$79.00  
Shows the diagnostic and therapeutic uses of the radioisotope I-131 for hyperthyroidism, thyroid cancer, and heart disease. Discusses the characteristics, techniques, and results, as well as the problems of standardization and calibration of scanning devices for I-131, probably the most-used isotope in the field of medicine.

## IONIZING RADIATION IN HUMANS

15 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002459 Sale \$71.00  
Shows the design and operation of the Argonne National Laboratory's whole-body counter for determining identification, quantity, and location of internally deposited radionuclides. Includes demonstrations of various techniques in accumulation of data and collimating the crystal.

## \*ISLANDS OF GREEN

24 min, 16mm film, optical sd, col 1965  
Producer USDA Agency No. 3055  
Title No. 003963 Sale \$106.00  
Sixty years ago, conservationists set aside the national forests as large islands of green for the American people. Today, increasing pressure for outdoor recreation and conservation education have created a need for small islands of green near urban communities. The National Audubon Society is prepared to assist any community in a plan for a nature conservation center.

## \*ISLANDS OF UNDERSTANDING

29 min, 16mm film, optical sd, col 1972  
Producer USSR  
Title No. 000893 Sale \$115.50  
Presents Yugoslavian, Indian, and Israeli rehabilitation centers who are carrying out research programs in a variety of areas including--juvenile diabetes, alcoholism, mental rehabilitation, prosthetic and orthotic research, and rehabilitation projects which serve emotionally disturbed college students.

It also demonstrates the productive understanding and sympathy which are promoted by these worldwide rehabilitation efforts.

#### ISOLATION AND IDENTIFICATION OF BETA HEMOLYTIC STREPTOCOCCI

15 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0992  
Title No. 002460 Sale \$51.75

Accepted methods for collecting and transporting throat swab specimens and isolation of beta hemolytic streptococci are introduced. Laboratory procedures for culturing beta hemolytic streptococci include the preparation of pour-streak plates and examination of surface and subsurface growth for beta hemolytic streptococci. A series of photomicrographs of colonies are included which illustrate how various kinds of hemolysis can be differentiated.

#### ISOLATION AND IDENTIFICATION OF ENTERIC BACTERIA

25 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1496  
Title No. 002461 Sale \$52.50

Provides a review of enteric bacteria. Shows a grouping of pathogenic enteric bacteria, lactose fermentation, selective plating media, acid base indicators, growth and reactions on selected media, MAC, (ss), triple sugar iron agar reactions, differentiations, escherichia coli, klesbsiella pneumoniae, seratia marcescens, providence, and citrobacter. (Kinescope)  
From the CLINICAL PATHOLOGY series.

#### ISOLATION AND IDENTIFICATION OF MYCOPLASMA PNEUMONIA - EATON AGENT

5 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-0874  
Title No. 002462 Sale \$16.25

Essential purpose of film is to train technicians in the routine involved in the isolation and identification of the mycoplasma by use of proper media and microscopic viewing techniques. Confirming tests are shown making use of specific anti-sera saturated paper disks.

#### ISOLATION AND IDENTIFICATION OF SALMONELLA

22 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1494  
Title No. 002463 Sale \$46.25

Presents discussion about the diseases caused by salmonellae, its epidemiology and characteristics, principles of isolation, isolation from feces--reaction on brilliant green agar-tsi reactions, biochemical reactions, and serological typing. (Kinescope)

From the CLINICAL PATHOLOGY series.

#### ISOLATION AND IDENTIFICATION OF SHIGELLAE

19 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1495  
Title No. 002464 Sale \$40.50

Presents a lecture by Dr Boring discussing the symptoms and epidemiology of shigellae, contributing factors, seasonal incidence, causative agent, isolation, selective media, biochemical reactions, serological sub-groups, serogrouping and serotypes in the U.S.A. (Kinescope)

From the CLINICAL PATHOLOGY series.

#### \*ISOLATION AND PRELIMINARY IDENTIFICATION OF CULTURES

14 min, 35mm filmstrip, 1/4in. audiotape, col 1951  
Producer USNMAC Agency No. 5-169  
Title No. 002271 Sale \$10.00

Shows methods of isolating and identifying pathogenic enterobacteriaceae by cultural, biochemical, and serologic methods.

From the ISOLATION AND IDENTIFICATION OF SALMONELLA AND SHIGELLA CULTURESSERIES.

#### ISOLATION OF BLASTOMYCES DERMATITIS

4 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-0991  
Title No. 439175 Sale \$13.50  
Demonstrates the two morphologic types typical of blastomyces dermatitidis, when grown at room temperature and at body temperature.

#### ISOLATION OF C. IMMITIS

7 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-0990  
Title No. 002465 Sale \$22.75  
Demonstrates method for isolating and identifying the pathogenic fungus, C. Immitis from clinical material.

#### ISOLATION OF SALMONELLA AND SHIGELLA CULTURES

9 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-0985  
Title No. 002468 Sale \$31.00  
Demonstrates technique of growing enteric bacteria on selective media, identification of suspicious colonies and further screening by growing on triple-sugar-ironagar.

#### ISOLATION TECHNIQUE

24 min, 16mm film, optical sd, b&w 1960  
Producer USN Agency No. MN08576K  
Title No. 002467 Sale \$42.25  
Demonstrates how to perform medical aseptic techniques when caring for a patient with a communicable disease. Shows how to set up an isolation unit, how to organize the work, where and when not to wear the isolation gown and mask, how and when to wash the hands, and how to remove and clean items used in the unit.

#### ISOTOPES

20 min, 16mm film, optical sd, col 1959  
Producer USAEC  
Title No. 002468 Sale \$150.00  
Describes the production of stable isotopes and radioisotopes and the separation of fission products. Explains radioactivity, half life, and the three methods of producing radioisotopes. Uses live photography and animation to tell the story of radioisotopes production at the Oak Ridge National Laboratory.

#### ISOTOPES IN THE DIAGNOSIS OF ANEMIA

33 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1505  
Title No. 002469 Sale \$68.25  
Presents the use of four basic radioactive isotopes-Iodine 131, Chromium 51, Iron 59, and Cobalt 60 in the diagnosis of anemia. The virtue of these substances is the extremely small amounts necessary for the detection of emissions. Dr Crosby also discusses pros and cons of splenic scanning and its relationship to splenic involvement, and broad-range surface scanning. (Kinescope)

#### IT CAN HAPPEN TO YOU

15 min, 16mm film, optical sd, col  
Producer USSBA  
Title No. 002470 Rental \$10.00 Sale \$51.75  
Outlines the experience of Jack Norton, a hardware store owner, in cooperating with a police lieutenant to get the facts about a pilferage problem. The police lieutenant points out situations and procedures which encourage pilferage and shows how to remedy these matters.

#### \*IT CAN'T HAPPEN TO ME - THE ANATOMY OF AN ACCIDENT

23 min, 16mm film, optical sd, col  
Producer USNASA  
Title No. 002273 Sale \$93.75  
Re-enacts an actual event at the Kennedy Space Center in Florida to illustrate how accidents can occur. Opens with a statement by the Center director.

#### IT HAPPENED IN TEXAS (HURRICANE BEULAH '67)

9 min, 16mm film, optical sd, col 1967  
Producer USOCD Agency No. DOD-20-266  
Title No. 002471 Sale \$31.00  
Documents the September 1967 disaster in southern Texas,

brought on by Hurricane Beulah and the tornadoes that followed in her wake.

\*IT HAPPENS EVERY NOON

14 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 5575  
Title No. 439790 Sale \$64.00  
Describes the National School Lunch Program, which is designed to provide from a third to one-half of the student's daily nutritional needs. Explains the importance of a well-balanced midday meal.

\*IT HAPPENS EVERY NOON (SPANISH)

14 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 5575-S  
Title No. 002753 Sale \$64.00  
This film is intended to awaken parents, and communities, to the awareness of the School Lunch Program and to take action to see that every child takes advantage of it by getting a daily, well-balanced, midday lunch.

IT MUST BE THE NEIGHBORS

14 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1161  
Title No. 439850 Sale \$48.50  
Emphasizes the relationship between good premises sanitation and freedom from mosquitoes, flies, cockroaches, and rodents and shows how handling improvement may play an important part in the eradication of disease vectors. It enlists the support of all age groups in the community to improve premises sanitation.

IT PAYS TO STAY OPEN

23 min, 16mm film, optical sd, col 1966  
Producer USFAA Agency No. FA-0609  
Title No. 439875 Sale \$83.50  
Documents how low-cost lighting of airports, particularly utility-type airports, provides round-the-clock operations and can result in economic benefits to a community. Describes how business leaders of two Massachusetts communities, working with their state aeronautics commissions and the Federal Aviation Administration, equipped their airports with low-cost runway and approach light.  
Cleared for TV.

\*IT WON'T BE EASY

34 min, 16mm film, optical sd, b&w 1971  
Producer USOEO  
Title No. 002274 Rental \$12.50 Sale \$73.50  
Presents an actual paraprofessional training program. It is not a model training program. It was intended to be shown in a way which would provide realistic grounds for discussion. Although no one was filmed without his knowledge and permission, all the characters, circumstances and conversations are real and unstaged. Not designed to set forth answers but to raise questions and stimulate discussion.

IT'S UP TO YOU

10 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. M-1669X  
Title No. 002472 Sale \$34.00  
Tells why people should take care of their teeth and what steps they should take to have healthy teeth. Among the subjects discussed are periodontal disease, visits to the dentist, and correct methods of toothbrushing.

IT'S YOU AGAINST THE PROBLEM

23 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQ 146  
Title No. 002473 Sale \$125.00  
Emphasizes the challenge of research and the education and life of a scientist.

IT'S YOUR MOVE

13 min, 16mm film, optical sd, col  
Producer USSBA  
Title No. 002474 Rental \$10.00 Sale \$45.25  
Designed to inform small business owners faced with relocation problems because of urban renewal about help available through SBA and urban renewal offices and to motivate them to take positive steps if they wish to relocate.

JACQUELINE KENNEDY'S ASIAN JOURNEY

30 min, 16mm film, optical sd, col 1962  
Producer USIA  
Title No. 004518 Rental: W/DRAWN Sale: W/DRAWN  
Depicts Mrs John F Kennedy's trip to India and Pakistan with her sister, Princess Radziwill, in March 1962. Sequences include tours of the Taj Mahal, Jaipur, Khyber Pass, and the Shalimar Gardens.

\*JANET AND THE GENIE

29 min, 16mm film, optical sd, col 1967  
Producer USDA Agency No. 5580  
Title No. 442650 Sale \$131.00  
Follows Janet, a young high school student, as she journeys through meat packing, poultry processing, apple packing, egg grading and dairy plants with the help of 'the genie.' Show how to become a smart shopper by using USDA's consumer and marketing service's grading and inspection services.

JAUNDICE - MEDICAL OR SURGICAL

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1815-X  
Title No. 002475 Sale \$61.25  
Presents a case with diagnostic workup. Discusses cholestasis and problems in differential diagnosis. (Kinescope)

JAW RELATION RECORDS FOR REMOVABLE PARTIAL DENTURES

30 min, 16mm film, optical sd, col 1964  
Producer USA Agency No. PMF 5378  
Title No. 002476 Sale \$101.00  
Demonstrates how to make an accurate maxillomandibular record for removable partial dentures.

\*JAZZ BY BERKLEE

27 min, 16mm film, optical sd, b&w 1968  
Producer USIA Agency No. 04-11528  
Title No. 004519 Rental: W/DRAWN Sale: W/DRAWN  
A performance before a studio audience of 'cool' contemporary jazz by students and faculty of the Berklee School of Music. Introductions and interpretations are by well-known jazz expert Willis Conover.

\*JAZZ IN THE CLASSROOM

29 min, 16mm film, optical sd, b&w  
Producer USIA  
Title No. 444800 Rental: W/DRAWN Sale: W/DRAWN  
Presents a day at the Berklee School of Music in Boston which emphasizes jazz.  
From the SKETCHES series.

JENNY IS A GOOD THING

18 min, 16mm film, optical sd, col 1969  
Producer USHS  
Title No. 002477 Sale \$46.00  
Documents one of Head Start's most important concepts—that the nutrition program plays a major role and is an integral part of the daily activities in a good Head Start Program.

JENNY IS A GOOD THING (SPANISH)

18 min, 16mm film, optical sd, col 1969  
Producer USHS  
Title No. 002478 Sale \$46.00  
Documents one of Head Start's most important concepts—that the nutrition program plays a major role and is an integral part of the daily activities in a good Head Start program.

JETS ABOARD - OPERATION OF JET AIRCRAFT ABOARD CARRIERS

23 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN05395B  
Title No. 445600 Sale \$40.50  
Describes six factors in flight deck handling of jet aircraft: rolling planes without rocking, securing parked jets against wind and weather, assistance in taxiing jets, catapulting jets in pairs, helping jets land almost nose to tail and servicing jet planes to maximum capacity.

\* INDICATES NEW ENTRY

**JOB APPEAL**

13 min, 16mm film, optical sd, col

Producer USNMAC

Title No. 002479

Agency No. M-1422

Sale \$52.50

An open-end film portraying the problem of fair employment practices. A realistic situation is dramatized to effect maximum audience involvement. A young negro man, seeking a promotion, is told by his boss that another man has been selected.

**\*JOB STORY**

22 min, 16mm film, optical sd, col

1971

Producer USDL

Title No. 002115

Rental \$10.00 Sale \$93.75

Shows the operation of the Job Information Service and the Job Bank that supports it. Discusses advantages to the employer and to applicants.

From the CAREER JOB OPPORTUNITY FILM series.

**JOHN GLENN STORY, THE**

30 min, 16mm film, optical sd, col

1963

Producer USNASA

Title No. 002480

Agency No. HQA 090

Sale \$115.50

Stresses American ideals as exemplified in the life of Astronaut Glenn--the importance of physical, mental and moral values. Portrays his youth in New Concord, Ohio, his service as a combat pilot in World War II and the Korean War, and his momentous adventure as the first American to orbit the Earth.

**JOHN J PERSHING**

21 min, 16mm film, optical sd, b&amp;w

1960

Producer USDOD

Title No. 004520

Agency No. AFSM 0579

Sale: W/DRAWN

Describes the life of General Pershing (1860-1948) such as his leadership qualities in battle and his influence in molding the American Army during World War I.

THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.

**JOINING SOLID CONDUCTORS**

22 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Title No. 447800

Agency No. OE 389

Rental \$7.50 Sale \$38.50

Shows how to make a western union, pigtail, plain tap, 'wrapped tap' or britannia, loop tap and fixture joints. Explains how to use a blowtorch, flux and solder joints, and insulate joints.

From the ELECTRICAL WORK series. Wiring, No. 1

**JOINTING AN EDGE FOR GLUING - INSTALLING KNIVES**

21 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Title No. 447900

Agency No. OE 305

Rental \$7.50 Sale \$37.00

Shows how to determine when knives are dull, to remove them, to install sharp knives, to straighten crooked stock and to join edges for gluing.

From the PRECISION WOOD MACHINING series. Operations On the Jointer, No. 4

**JOINTING EDGES AND ENDS 90 DEGREES TO FACE**

17 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Title No. 448050

Agency No. OE 302

Rental \$7.50 Sale \$30.50

Shows the functions and operation of the jointer, explains how to identify surfaces of a piece of stock. Describes how to joint a square edge to size and joint a piece of glued stock to size.

From the PRECISION WOOD MACHINING series.

**\*JORDON PAUL - ONE TEACHER'S APPROACH**

30 min, 16mm film, optical sd, b&amp;w

1971

Producer USNIMH

Title No. 002116

Rental \$10.00 Sale \$33.25

Gives approach of one teacher who is getting through to his students - feels he must try any method he can think of in order to communicate about drug abuse. His approach is non-directive.

From the SOCIAL SEMINAR series.

**JOURNAL OF PLUTONIUM, A**

47 min, 16mm film, optical sd, col

1969

Producer USAEC

Title No. 448345

Sale \$175.00

Pictures the men and events that led to the discovery, separation and large scale production of plutonium, through the personal reminiscences of Dr Glenn T Seaborg, Dr Emilio Segre, Burris Cunningham and others, this is the personal story of the men who discovered plutonium, purified and weighed it, and eventually produced it on a large industrial scale for the wartime Manhattan Project.

**JOURNEY BACK**

20 min, 16mm film, optical sd, b&amp;w

1949

Producer USVA

Title No. 002481

Sale \$68.25

Dramatizes the rehabilitation of a hemiplegic patient, demonstrating the work of physical, occupational, recreational, and speech therapists and their contribution to the recovery of the patient.

**JUNCTION TRANSISTOR, THE**

28 min, 16mm film, optical sd, col

1967

Producer USN

Agency No. MN 10394

Title No. 002483

Sale \$94.50

Transistor and diode action, electron flow, bias and amplifier circuits, gain and phase relationships.

**\*JUNGLE QUEST FOR THE GREAT STONE HEADS**

27 min, 16mm film, optical sd, col

1942

Producer USCIAA

Title No. 004522

Sale: W/DRAWN

Record of an archeological expedition made by the National Geographic Society and the Smithsonian Institution in the state of Vera Cruz. Shows the art and skill developed in Mexico 1900 years ago.

**JUNIOR ACHIEVEMENT**

11 min, 16mm film, optical sd, col

1949

Producer USA

Title No. 002484

Rental \$7.50 Sale \$23.25

Explains how local businessmen in the United States sponsor projects enabling high-school students to start and operate small businesses, from which they can earn money and learn about business methods.

**\*JUNIOR COLLEGE FOR TECHNICAL TRADES**

22 min, 16mm film, optical sd, b&amp;w

1950

Producer USDS

Title No. 002485

Rental \$7.50 Sale \$40.50

Describes the Los Angeles Trade and Technical College, formerly the Frank Wiggins Trade school--its origin, purpose vocational courses, and relationship to the industrial needs of Los Angeles.

**KEEP CLEAN - STAY WELL (BLACK CAST)**

9 min, 16mm film, optical sd, b&amp;w

1964

Producer USNMAC

Agency No. M-0874

Title No. 002486

Sale \$15.75

Demonstrates how workers can carry out personal cleanliness in camps. Shows relationship between keeping clean and keeping well. Intended to promote discussion of health in camps, and responsibility of each group-workers, growers, and others.

**KEEP CLEAN - STAY WELL (SPANISH-AMERICAN CAST - SPANISH)**

9 min, 16mm film, optical sd, col

1964

Producer USNMAC

Agency No. M-0933-SP

Title No. 002487

Sale \$34.00

Demonstrates how workers can carry out personal cleanliness in camps. Shows relationship between keeping clean and keeping well. Intended to promote discussion of health in camps, and responsibility of each group-workers, growers, and others.

\* INDICATES NEW ENTRY

**KEEP CLEAN - STAY WELL (SPANISH-AMERICAN CAST)**

9 min, 16mm film, optical sd, col 1964  
 Producer USNMAC Agency No. M-0824  
 Title No. 002488 Rental \$7.50 Sale \$34.00  
 Demonstrates how workers can carry out personal cleanliness in camps. Shows relationship between keeping clean and keeping well. Intended to promote discussion of health in camps, and responsibility of each group-workers, growers, and others.

**KEEPING YOUR CAR FIT**

12 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 488  
 Title No. 451150 Rental \$7.50 Sale \$22.25  
 Tells why a weekly checkup is necessary, tires should be crisscrossed, cars lubricated regularly, the oil filter element replaced, and the cooling system inspected periodically. From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Automobile Operation, No. 3

**\*KERATOACANTHOMA**

23 min, 16mm film, optical sd, col  
 Producer IDCE  
 Title No. 006446 Rental: W/DRAWN Sale: W/DRAWN  
 Discusses etiology, histopathology, and differential diagnosis.

**\*KERATODERMA PALMARIS ET PLANTARIS**

8 min, 16mm film, optical sd, col 1962  
 Producer ILDS  
 Title No. 008447 Rental: W/DRAWN Sale: W/DRAWN  
 Shows patients in three generations of one family and two generations of other families where this keratodermia is found.

**\*KERATOSIS FOLLICULARIS (DARIER'S DISEASE)**

13 min, 16mm film, optica. sd, col  
 Producer IDCE  
 Title No. 004598 Rental: W/DRAWN Sale: W/DRAWN

**\*KEYSTONE OF COMPETENCE**

22 min, 16mm film, optical sd, col  
 Producer USBEH  
 Title No. 451750 Sale \$85.75  
 The sheltered workshop offers a means whereby the handicapped citizen, unable to return to the community, can give expression to his acquired skills. This film presents several types of industrial and craft workshops.

**KIDNEY FUNCTION TESTS**

43 min, 16mm film, optical sd, b&w 1969  
 Producer USNMAC Agency No. M-1493  
 Title No. 002489 Sale \$88.00  
 Discusses renal function tests, including the blood urea nitrogen and the creatinine clearance tests. Underlines the usefulness of the albumin-to-creatinine clearance ratio in relation to the nephrotic syndrome. (Kinescope)  
 From the CLINICAL PATHOLOGY series.

**KINETIC EXPERIMENT ON WATER BOILERS**

15 min, 16mm film, optical sd, col 1958  
 Producer USAEC  
 Title No. 002490 Sale \$70.25  
 Discusses an AEC-SPONSORED study of the dynamic behavior of the homogeneous solution-type nuclear reactor, demonstrating the inherent safety characteristics of aqueous homogeneous reactors in the event of an unforeseen release of large amounts of reactivity.

**\*KIRUNDI - BASIC COURSE**

19 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004083 Sale \$61.75  
 Cassettes and accompanying text are both available for \$64.50.

**OTHER FORMAT(S) or VERSION(S)**

35 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004084 Sale \$97.50  
 Tape set and accompanying text are both available for \$100.25.

\* INDICATES NEW ENTRY

**KITCHEN HABITS**

12 min, 16mm film, optical sd, col 1954  
 Producer USNMAC Agency No. M-0148-G  
 Title No. 002491 Sale \$42.00  
 Shows, under actual operating conditions in a kitchen, the importance of developing good habits relating to food sanitation. Stresses individual awareness of personal responsibility and effective supervision to develop these habits.

**KITCHEN HABITS (SPANISH)**

12 min, 16mm film, optical sd, col 1954  
 Producer USNMAC Agency No. M-0148-G  
 Title No. 002492 Sale \$42.00

**KITES TO CAPSULES**

5 min, 16mm film, optical sd, col 1969  
 Producer USFAA Agency No. FA-0905  
 Title No. 002493 Sale \$18.00  
 Contrasts early flying attempts with modern, successful commercial and general aviation.

**\*KITUBA - BASIC COURSE**

15 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004085 Sale \$48.75  
 Cassettes and accompanying text are both available for \$51.00.

**OTHER FORMAT(S) or VERSION(S)**

27 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004086 Sale \$75.25  
 Tape set and accompanying text are both available for \$77.50.

**KLYSTRON**

34 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-910  
 Title No. 453848 Sale \$70.50  
 Shows the purpose of components and the operation of a two-cavity klystron. Traces a signal through the circuit and points out the differences between velocity and density modulation, showing how the input cavity alters the electron velocity and how the output cavity intercepts the energy from the bunched electrons. Shows the operation of the klystron as an amplifier and oscillator. (Kinescope)

**\*KNOCK AT THE DOOR**

18 min, 16mm film, optical sd, col  
 Producer USFHWA  
 Title No. 453860 Sale \$64.25  
 Shows what some state highway departments, union organizations and highway construction contractors are doing to train minority group persons to operate heavy highway construction equipment. Tells the story that there are opportunities in the construction trades for minority and underprivileged persons who will 'knock at the door' to seek training which will improve their positions in the working force of the nation as well as their social standing.

**KNOW YOUR AIR RESCUE SERVICE**

29 min, 16mm film, optical sd, b&w 1954  
 Producer USAF Agency No. TF01-4968  
 Title No. 454090 Rental \$10.00 Sale \$53.50  
 Illustrates four phases of rescue operations-notification, search, aid, and rescue-and explains the work of the U.S. Air Rescue Service.

**KNOW YOUR CAR**

15 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 486  
 Title No. 454150 Rental \$7.50 Sale \$27.00  
 Describes construction of a car chassis, and how the engine functions. Depicts operations of the clutch, transmission, rear axle, brakes, and electrical cooling systems.  
 From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Automobile Operation, No. 1

**KNOW YOUR CLOUDS**

16 min, 16mm film, optical sd, col 1967  
Producer USA Agency No. TF46-3724  
Title No. 002494 Sale \$55.00  
Describes the development of the ten basic kinds of clouds, their principal characteristics, their relative positions and average altitudes, and their flight hazards.

**KOREA STORY, THE**

20 min, 16mm film, optical sd, b&w 1953  
Producer USIA  
Title No. 004523 Rental: W/DRAWN Sale: W/DRAWN  
Describes the Korean War. Includes the attempts to unify Korea, the June 1950 invasion, the U N decision to halt aggression, the resulting war and truce talks.

**\*KOREAN - BASIC COURSE, VOL. 1**

16 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004087 Sale \$58.50  
Cassettes and accompanying text are both available for \$61.50.

**OTHER FORMATS or VERSIONS**

35 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004088 Sale \$97.50  
Tape set and accompanying text are both available for \$100.50.

**\*KOREAN - BASIC COURSE, VOL. 2**

16 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004089 Sale \$52.00  
Cassettes and accompanying text are both available for \$56.75.

**OTHER FORMATS or VERSIONS**

35 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004090 Sale \$86.00  
Tape set and accompanying text are both available for \$90.75.

**KOREAN CEASE FIRE TALKS**

16 min, 16mm film, optical sd, b&w 1951.  
Producer USDAO Agency No. CB 112  
Title No. 454808 Sale \$32.00  
Describes military operations in Korea from June 20 to July 20, 1951.

**LTA HISTORY - BALLOONS**

27 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02722A  
Title No. 455029 Sale \$47.00  
Traces the history of balloon experimentation-covering problem, development, outstanding men, and modern uses of balloons.

**\*LA PAZ**

17 min, 16mm film, optical sd, b&w 1943  
Producer USCIAA  
Title No. 002495 Sale \$36.50  
A film journey through Bolivia's capital and the highest big city in the world. Contrasts the old and the new in Latin America.

**\*LA PHENYLCETONURIA**

36 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004599 Rental: W/DRAWN Sale: W/DRAWN

**\*LABOR OF LOVE**

21 min, 16mm film, optical sd, b&w 1964  
Producer USIA Agency No. 01-02607  
Title No. 004524 Rental: W/DRAWN Sale: W/DRAWN  
Illustrates civil service work in the United States on three levels--federal, state, and municipal--by detailing the work of a forest ranger, a social worker and a physical therapist. Points out the devotion to their jobs and the personal satisfactions of doing a good job as a servant of the public.

**LABORATORY ASPECT OF DISEASES OF THE TESTICLE, THE**

35 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1674  
Title No. 002496 Sale \$72.50  
Discusses the subject of testicular physiology and biochemistry. Points out factors in the assessment of testicular function, Leydig cell failure, sperm production, testicular biopsy evaluation, karyotyping analysis, and plasmatestosterone levels. Provides detailed information concerning pituitary involvement, LSH, FSH, use of radioactive isotopes in determination of malfunctions of testes, and Klinefelters syndrome. (Kinescope)

**LABORATORY DESIGN FOR MICROBIOLOGICAL SAFETY**

34 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1091  
Title No. 457660 Sale \$114.25  
Stresses the need for safety measures in the design of infectious disease laboratories. Describes and illustrates some of the principal building features and devices used to provide effective microbiological containment. The concept of primary and secondary barriers in preventing escape and spread of micro-organisms is discussed.

**LABORATORY DIAGNOSIS OF RABIES IN ANIMALS**

30 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-0458  
Title No. 457695 Sale \$101.00  
Demonstrates the latest laboratory techniques for examination of animals in the diagnosis of rabies. Shows the preparation of brain impressions, the inoculation of animals, the serum neutralization test, and the fluorescent antibody test.

**LABORATORY DIAGNOSIS OF RABIES IN ANIMALS (SPANISH) (REV ED)**

30 min, 16mm film, optical sd, col 1961  
Producer USPHS Agency No. M-1048-SP  
Title No. 002497 Sale \$101.00  
Demonstrates the latest laboratory techniques for examination of animals in the diagnosis of rabies. Shows the preparation of brain impressions, the inoculation of animals, the serum neutralization test, and the fluorescent antibody test.

**\*LABORATORY DIAGNOSIS OF TENIA CAPITIS CHILDREN - MICROSPORUM INFECTIONS**

65 fr, 35mm filmstrip, silent, col 1950  
Producer USNMAC Agency No. 5-127  
Title No. 002122 Sale \$5.50  
Demonstrates laboratory identification of causative fungus. Shows clinical signs in children.

**\*LABORATORY DIAGNOSIS OF TENIA CAPITIS IN CHILDREN - MICROSPORUM INFECTIONS**

9 1950  
Producer USNMAC Agency No. 5-127  
Title No. 002121 Sale \$10.00  
Demonstrates laboratory identification of causative fungus. Shows clinical signs in children.

**\*LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 1 - ECTRITHRIX INFECTIONS OF THE**

13 1972  
Producer USNMAC Agency No. F-94A  
Title No. 002117 Sale \$10.00  
FULL TITLE--LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 1 - ECTRITHRIX INFECTIONS OF THE BEARD AND SCALP. Demonstrates laboratory identification of trichophyton mentagrophytes and trichophyton fauliforme.

**\*LABORATORY DIAGNOSIS OF TRICHOPHYTON INFECTIONS, PT 2 - ENDOTHRIX INFECTIONS OF THE**

10 fr, 35mm filmstrip, 1/4 in. audiotape, col 1952  
Producer USNMAC Agency No. F-94B  
Title No. 002119 Sale \$10.00  
Demonstrates laboratory identification of T. tonsurans and T. violaceum

\* INDICATES NEW ENTRY

<b>LABORATORY METHODS FOR AIRBORNE INFECTION, PT 1 - THE CLOUD CHAMBER</b>			
28 min, 16mm film, optical sd, col	1957	Producer USNMAC	Agency No. M-0261
Title No. 002498	Sale \$94.50	Demonstrates laboratory apparatus and techniques for studying aerosol-borne pathogens developed by the U S Army Chemical Corps Research and Development Command. Demonstrates the cloud chamber which permits the exposure of laboratory animals to aerosols of various particle-sizes.	
<b>LABORATORY METHODS FOR AIRBORNE INFECTION, PT 2. - THE HENDERSON APPARATUS</b>			
34 min, 16mm film, optical sd, col	1959	Producer USNMAC	Agency No. M-0304
Title No. 002499	Sale \$114.25	The Henderson apparatus is discussed in full detail--two types of Henderson tubes housed in ventilated cabinets. One is recirculating and operates completely outside of laboratory facilities. The second is non-circulating and operates from laboratory air system and vacuum lines.	
<b>LABORATORY TECHNIQUE FOR DARKFIELD MICROSCOPY</b>			
16 min, 16mm film, optical sd, b&w	1953	Producer USN	Agency No. FN07468
Title No. 002500	Sale \$28.50	Explains the theory of darkfield microscopy, the preparation of slides, and the use of a darkfield microscope. Designed for use by laboratory technicians.	
<b>*LADY CALLED CAMILLE, A</b>			
29 min, 16mm film, optical sd, col	.971	Producer USOCD	Agency No. DODCD20-271
Title No. 002501	Sale \$96.25	Documents the devastation caused by Hurricane Camille and the suffering caused thousands of people. Shows that while hundreds of lives were lost to the hurricane, thousands were saved due to emergency plans, trained rescue teams, and help from thousands of volunteer groups and the military services.	
<b>*LADY CALLED CAMILLE, A (SPANISH)</b>			
29 min, 16mm film, optical sd, col	1971	Producer USOCU	Agency No. DODCD20-274
Title No. 002502	Sale \$96.25		
<b>LAND BENEATH THE SEA, THE</b>			
25 min, 16mm film, optical sd, col	1967	Producer USN	Agency No. MN10280
Title No. 002503	Sale \$85.75	Shows origins and development of the sea bottom. Tells how the study of submarine and relief features, sediments, and the general nature of marine geology is vital to naval operations and the economic exploitation of the oceans.	
<b>*LAND CHANGES, THE</b>			
14 min, 16mm film, optical sd, col	1957	Producer USDA	Agency No. 1309
Title No. 003965	Sale \$68.00	Shows how land was acquired for National Forest purposes on the Shawnee, the Hoosier, and the Wayne National Forest in the Ohio Valley--how such land was improved by reforestation, protection, and proper management to help man and his community to prosper.	
<b>*LAND OF HAWAII</b>			
15 min, 16mm film, optical sd, col	1967	Producer USDA	
Title No. 459025	Sale: W/DRAWN	Gives a geologic background of Hawaii, the formation of the soil and its importance to the economy of the Islands. Recognizes the soil erosion problem and outlines soil conservation programs and their relation to cropping practices of sugar, pineapple, coffee, beef cattle and woodlands. Today's scientific farming gives assurance of a better future for this scenic land.	

<b>*LAND OF THE SKY</b>			
15 min, 16mm film, optical sd, col	1958	Producer USDA	Agency No. 1395
Title No. 003964	Sale \$68.00	A show-me trip filmed on the Pisgah National Forest in North Carolina. General Federation of Women's Clubs see multiple-use management on a national forest in the best utilization of all its resources--timber, water, wildlife, and recreation.	
<b>LAND THE LANDING FORCE - THE HISTORY OF MARINE AMPHIBIOUS OPERATIONS</b>			
28 min, 16mm film, optical sd, col	1960	Producer USMC	Agency No. MH08938
Title No. 459990	Sale \$94.50	Explains the development of the amphibious doctrine and its use in vertical assault.	
<b>LANDBASED HELICOPTER OPERATIONS - FUNCTIONS</b>			
10 min, 16mm film, optical sd, b&w	1952	Producer USN	Agency No. MN07411A
Title No. 460085	Sale \$17.50	Shows to helicopter pilots the many duties which they will be expected to perform in landbased helicopter operation, and points out the versatility of the helicopter.	
<b>LANDBASED HELICOPTER OPERATIONS - PRECAUTIONS</b>			
11 min, 16mm film, optical sd, b&w	1952	Producer USN	Agency No. MN07411B
Title No. 460090	Sale \$19.25	Stresses the need for pilot alertness in helicopter operation, and demonstrates night and rough-terrain operations.	
<b>LANDING ON THE MOON</b>			
28 min, 16mm film, optical sd, b&w	1966	Producer USNASA	Agency No. HQK-SR2
Title No. 002504	Sale \$55.75	Details of the lunar module landing and lift-off from are explained.	
<b>LANGUAGE OF BUSINESS, THE</b>			
15 min, 16mm film, optical sd, col		Producer USSBA	
Title No. 002505	Rental \$10.00 Sale \$48.50	Dramatizes the need for being able to analyze facts and problem areas in a business so that decisions can be made. Shows the value of records in business management.	
<b>*LANGUAGE POWER FOR PEACE</b>			
29 min, 16mm film, optical sd, col		Producer USA	Agency No. TV 779
Title No. 461000	Sale \$115.50	Details the story of the Defense Language Institute. From the BIG PICTURE series.	
<b>LAREDO TO PANAMA - THE INTER-AMERICAN HIGHWAY</b>			
18 min, 16mm film, optical sd, col	1964	Producer USFHTWA	
Title No. 461210	Sale \$61.75	Tells the story of the economic and social benefits brought to the people of Mexico and central America by the Inter-American highway. Shows the industrial, agricultural, and educational growth developing in these countries and how the highway has been instrumental in improving communications and the exchange of cultures in these lands.	
<b>LASER-MIRACLES WITH LIGHT</b>			
24 min, 16mm film, optical sd, col	1965	Producer USA	Agency No. MF11-5131
Title No. 002506	Sale \$81.50	Explains what laser is, how it works, and how it is being applied in the Army--also covers its use in medicine and scientific research.	
<b>*LAST CHANCE, THE</b>			
29 min, 16mm film, optical sd, col		Producer USSR	
Title No. 461684	Rental \$12.50 Sale \$175.00	Poverty is the theme of a Negro psychiatrist's interview with a white school drop-out. A community worker in the ghetto talks about his job. From the 70 LIVE AGAIN series.	

\* INDICATES NEW ENTRY

<b>*LATE CUTANEOUS LEISHMANIASIS</b>	7 min, 16mm film, optical sd, col Producer ILDS Title No. 006448	Rental: W/DRAWN Sale: W/DRAWN Describes case histories and clinical features of the more serious late form of cutaneous leishmaniasis.	1962	
<b>LATER YEARS OF THE WOODLEYS, THE</b>	30 min, 16mm film, optical sd, b&w Producer USSR Title No. 002507	Rental \$10.00 Sale \$52.00 Illustrates the relationship between the aging process and ill health and shows how the social worker can be indispensable to appropriate medical care. This is useful in training service workers in the field of aging. In addition, the film depicts the supervisory process and group supervision.		
<b>LATERAL NECK SUPERFICIAL STRUCTURES</b>	9 min, 16mm film, optical sd, col Producer USVA Title No. 002508	Agency No. D-47A Sale \$30.25 The vessels and nerves transversing the external cervical fascia are demonstrated in this dissection of superficial structures of the anterior and lateral neck. Diagrams are used for clarification.	1969	
<b>LATERALLY POSITIONED FLAP IN PERIODONTICS</b>	15 min, 16mm film, optical sd, col Producer USVA Title No. 002509	Agency No. D-46-PE Sale \$51.00 Shows how laterally positioned flaps are used to cover the denuded roots of a mandibular central incisor and maxillary molar. A partial or split thickness dissection is performed in order to leave periosteum at the donor sites.	1968	
<b>LATHE, THE</b>	15 min, 16mm film, optical sd, b&w Producer USOE Title No. 462050	Agency No. OE 068 Rental \$7.50 Sale \$27.00 Describes the characteristics and basic operations of the engine lathe. From the MACHINE SHOP WORK series. Basic Machines	1942	
<b>LATHE, THE (SPANISH)</b>	15 min, 16mm film, optical sd, b&w Producer USOE Title No. 002510	Agency No. OE 069 Rental \$7.50 Sale \$27.00	1942	
<b>LATIN AMERICA</b>	20 min, 16mm film, optical sd, b&w Producer USDOD Title No. 462060	Agency No. AFIF 0113 Sale \$35.25 Describes the geographical, economic, and political factors that influence the lives of the people of Latin American countries. Explains the role of the United States in the development of the nations and the Communist approach to Latin America. Concludes with a statement by President John F Kennedy.	1961	
<b>LAUNCH CONTROL CENTER</b>	5 min, 16mm film, optical sd, col Producer USNASA Title No. 002511	Agency No. AD 020 Sale \$24.00 A report on the nerve Center of launch operations at Kennedy Space Center. Shows the evolution of space control facilities and includes close-up views of the complex array of equipment used to control a Saturn launch. From the APOLLO DIGEST series.	1969	
<b>LAUNCH OF THE SATURN 5</b>	4 min, 16mm film, optical sd, col Producer USNASA Title No. 002512	Agency No. AD 015 Sale \$20.00 Shows a typical launch of the Saturn 5. The Saturn is shown being assembled, rolled to the launch pad and launched. Closes after separation of the first stage and includes footage of the separation, taken from a camera mounted inside the second stage. From the APOLLO DIGEST series.	1969	
<b>LAUNCH SITE TO THE MOON</b>	3 min, 16mm film, optical sd, col Producer USNASA Title No. 002513	Shows the Kennedy Space Center's facility from which Apollo - Saturn Moon flight leaves. Includes scenes of vehicle assembly building, launch control Center and launch pads. From the APOLLO DIGEST series.	1969	
<b>LAW OF THE SEA</b>	29 min, 16mm film, optical sd, col Producer USN Title No. 463099	Agency No. MN10498 Sale \$115.50 Illustrated various legal problems that can arise at sea and their solutions.	1970	
<b>LAYERED SILICONE MOLD TECHNIQUE FOR PROCESSING DENTURES, THE</b>	30 min, 16mm film, optical sd, col Producer USVA Title No. 004525	Presents a technique for processing mold in the upper half of the flask. This new method of processing produces extremely accurate dentures, free of adhering calcium sulphate film or particles, and with the surfaces as smooth as the polished wax of the trial dentures.		
<b>LAVING OFF BULKHEADS</b>	15 min, 16mm film, optical sd, b&w Producer USOE Title No. 463475	Agency No. OE 101 Sale \$32.50 Tells how to measure on bulkheads from the temporary line and establish the center of bulkhead openings. Describes the purpose for laying off the bulkheads and tells when to run the permanent line. From the SHIPBUILDING SKILLS series. Marine Machinery Installation	1944	
<b>LAVING OUT AND FORMING PLYWOOD</b>	21 min, 16mm film, optical sd, b&w Producer USOE Title No. 463485	Agency No. OE 285 Sale \$43.25 Tells how to lay out plywood using blueprints and templates, form plywood in a press, reinforce plywood, and apply glue and varnish. From the AIRCRAFT WORK series. Wood Fabrication, No. 3	1944	
<b>LAVING OUT AND INSTALLING COMPARTMENT FIXTURES</b>	12 min, 16mm film, optical sd, b&w Producer USOE Title No. 463490	Agency No. OE 114 Sale \$26.75 Tells how to locate installations on a planview blueprint, lay out ceiling fixtures and studs, lay out and burn a hole for the passage of cable, and install ceiling fixtures. From the SHIPBUILDING SKILLS series. Marine Electricity, No. 5	1945	
<b>LAVING OUT AND INSTALLING HANGERS</b>	19 min, 16mm film, optical sd, b&w Producer USOE Title No. 463500	Agency No. OE 120 Sale \$40.50 Shows how to measure and cut hanger legs to length. Illustrates how to install stool, angle iron bracket, strap, rod, and saddle hangers. From the SHIPBUILDING SKILLS series. Pipefitting, No. 5	1944	
<b>LAVING OUT AND INSTALLING KICKPIPES AND STUFFING TUBES</b>	16 min, 16mm film, optical sd, b&w Producer USOE Title No. 463505	Agency No. OE 110 Sale \$33.25 Tells how to locate the kickpipe or stuffing tube area, lay out the penetration area, cut or burn the penetration area, and install the kickpipe or stuffing tube.	1945	
<b>LAVING OUT AND INSTALLING MAIN WIREWAY</b>	21 min, 16mm film, optical sd, b&w Producer USOE Title No. 463510	Agency No. OE 111 Sale \$43.25 Tells how to determine from the blueprint the route the cables are to follow and the size of the hangers to be used.	1945	

\* INDICATES NEW ENTRY

Describes how to lay out the raceways, install flat bars and hangers, and lay out penetration holes to be cut.  
From the SHIPBUILDING SKILLS series. Marine Electricity, No. 2

#### LAYING OUT SMALL CASTINGS

16 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 40  
Title No. 002514 Rental \$7.50 Sale \$28.50

Shows how to lay out holes for drilling, locate a reference point, use hermaphrodite calipers, and use a combination square and surface gage.

From the MACHINE WORK SHOP series. Bench Work, No. 6

#### LAYING OUT, DRILLING AND TAPPING FLANGES ON SEA CHEST

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 098  
Title No. 463560 Sale \$40.50

Describes component parts of a sea chest. Tells how locations of flanges are checked, flanges leveled, stud hole centers are laid out, and stud holes drilled and tapped.

From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 4

#### \*LE CYTO-DIAGNOSTIC

19 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004600 Rental: W/DRAWN Sale: W/DRAWN

#### LEADERS OF TOMORROW

20 min, 16mm film, optical sd, b&w 1949  
Producer USA

Title No. 002515 Rental \$7.50 Sale \$42.50  
Portrays Japanese teen-age boys and girls learning the principles of democracy at the Youth Training Centers sponsored in Japan by the American Red Cross and the Supreme Commander, Allied Powers.

#### \*LEARNING TO LEARN IN INFANCY

30 min, 16mm film, optical sd, b&w 1970  
Producer USDHEW  
Title No. 002851 Sale \$62.50

Stresses the essential role of curiosity and exploration in learning, and points to the kinds of experience that cultivate and stimulate an eager approach to the world. It also points out the cumulative nature of learning - even in infancy the ability to absorb and use new experiences depends on a backlog or context of experience. Ways are suggested in which adults can help infants make approaches, differentiate between objects and develop the earliest communication skills.

#### \*LEARNING TO SPEAK, PT 1

20 min, 16mm film, optical sd, col  
Producer USDHEW  
Title No. 003711 Sale \$34.00

Because the deaf child lacks the normal auditory system for reception of the speech signal and auditory feedback to monitor his own vocal production, the goal of instruction is to enable him to develop not normal but intelligible communication. This film is concerned with the characteristics of intonation, pitch articulation and vocal quality requisite to the attainment of intelligible speech within the phonological language system.

#### \*LEARNING TO SPEAK, PT 2

25 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000168 Sale \$103.75

A continuation of the first half, part II concerns itself with perception of intonation patterns-how meaning is affected by stress, pitch and phrasing, and, developing and improving speech rhythm.

#### LEATHERNECK AMBASSADORS

15 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09409  
Title No. 466800 Sale \$51.75

Shows the Marine Corps participation in the International Festival of Music, Edinburgh, Scotland, 1958.

#### LEGACY OF GEMINI

28 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQ 160  
Title No. 002516 Sale \$108.50  
Presents the major accomplishments of the Gemini two-man space flights and the relationship of these accomplishments to the Apollo three-man flights that will lead to a lunar landing. Shows man in space and the Earth seen from space.

#### LEGAL REQUIREMENTS FOR BOATMEN

18 min, 16mm film, optical sd, col 1968  
Producer USCG  
Title No. 002517 Sale \$66.00  
Legal requirements, both state and federal, are discussed. Federal requirements for boat numbering and documenting, life-saving devices, fire extinguishers, horns and whistles, lights and accident reports are shown.  
Cleared for TV.

#### \*LEONARDO - TO KNOW HOW TO SEE

80 min, 16mm film, optical sd, col 1972  
Producer USNGA Agency No. 107  
Title No. 002123 Sale: W/DRAWN  
Presents the life of Leonardo Da Vinci.

#### LEPTOSPIROSIS

16 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-0329  
Title No. 468225 Sale \$55.00  
Explains to professional personnel the various phases of leptospirosis. Discusses the possibility of human infection, and points out to laboratory personnel the various aspects of the disease.

#### LESSONS LEARNED FROM AIRCRAFT ACCIDENTS KNOW YOUR AIRCRAFT

21 min, 16mm film, optical sd, b&w 1967-  
Producer USA Agency No. TF46-3768  
Title No. 469412 Sale \$37.00  
Discusses the problem of aircraft accidents resulting from aviators' lack of knowledge or disregard of aircraft limitations.

#### LET NATURE WORK FOR YOU

12 min, 16mm film, optical sd, col 1969  
Producer USFHWA  
Title No. 002518 Sale \$52.50  
Illustrates how natural plant regeneration can be used to assist highway maintenance engineers in beautifying the right-of-way after construction has been completed! Encourages maintenance crews to keep mowing operations to a minimum by not mowing the complete right-of-way, giving nature a chance to revegetate the areas with natural growth.

#### LET THE BUYER PREPARE

34 min, 16mm film, optical sd, col 1969  
Producer USFSS  
Title No. 002519 Sale \$137.25  
Procurement by negotiation is the theme of this film dealing principally with six major steps in the negotiation process. Four basic negotiations objectives are identified and some important do's and don'ts relating to negotiation are set forth.

#### LET US LIVE (REV ED)

20 min, 16mm film, optical sd, b&w 1959  
Producer USIA Agency No. 26-00801RV  
Title No. 004528 Rental: W/DRAWN Sale: W/DRAWN  
Portrays refugees and displaced persons entering West Berlin. Explains steps being taken to rehabilitate them and gives their reasons for coming. This revised version contains new commentary which reflects the plight of the refugees from East Germany.

#### LET'S FINISH THE JOB

11 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1373  
Title No. 002520 Sale \$37.25  
Shows the many breeding areas of the aedes aegypti mosquito in the modern city. Gives the life cycle of the mosquito and describes steps necessary to eradicate it.

**LETTER FROM A MOTHER**

10 min, 16mm film, optical sd, b&w 1955  
 Producer USA Agency No. MF45-8438  
 Title No. 002521 Sale \$21.00  
 Shows an American mother's understanding of the role her son must play in defense of his country.  
 CLEARED FOR TV.

**LETTER TO A FRIEND**

20 min, 16mm film, optical sd, b&w 1951  
 Producer USA Agency No. 08-12164  
 Title No. 002522 Sale \$42.50  
 Explains how Japanese boys and girls correspond, as 'pen pals,' with boys and girls of their own ages in the United States.

**LETTER TO LINDA**

10 min, 16mm film, optical sd, b&w 1964  
 Producer USCG O/PRINT  
 Title No. 473535 Shows aspects of America's greatness from earliest days of history to the present time.  
 CLEARED FOR TV.

**LEVEES ON THE LOWER MISSISSIPPI**

21 min, 16mm film, optical sd, col 1966  
 Producer USAE  
 Title No. 002523 Sale \$135.00  
 Emphasizes construction to tell the story of levees on the lower Mississippi River, using scenes of record floods to portray the need for flood control in the lower valley. Covers the history and development of levees, purpose and extent of the system, site section, the inspection, and maintenance.

**LIBRARIES WITHOUT BARS**

25 min, 16mm film, optical sd, b&w 1951  
 Producer USA  
 Title No. 002524 Sale \$52.50  
 Shows improvements being made in Japanese libraries to stimulate interest in reading and to encourage appreciation of art, music, and literature. Prepared for use in occupied areas, particularly in Japan.

**LICENSE PLATE TRAFFIC SURVEY**

2 min, 16mm film, optical sd, col 1968  
 Producer USFHWA  
 Title No. 474940 Sale \$42.00  
 Shows a method of conducting a traffic survey to obtain origination and destination information by the use of motion picture photography. Shows how the photographic equipment should be set up for recording license plates, how this information is transferred for electronic data processing, and how qualified results are obtained by means of a rapid follow-up.

**LIFE CRISIS AND PHYSICAL COMPLAINTS**

40 min, 16mm film, optical sd, b&w 1966  
 Producer USNMAC Agency No. T-1843-X  
 Title No. 002525 Sale \$80.25  
 Illustrates how obscure physical symptomatology can be clarified when placed in the context of the patient's life situation. (Kinescope)

**LIFE CYCLE OF DIPHYLLOBOTRUM LATUM**

17 min, 16mm film, optical sd, b&w 1950  
 Producer USPHS Agency No. 04-00043  
 Title No. 475900 Sale \$30.50  
 Explains and traces by means of animation and photomicrography the life cycle of the broad tapeworm of man.

**LIFE CYCLE OF ENDAMOEBA HISTOLYTICA IN DYSENTERIC AND NON-DYSENTERIC AMOEIASIS**

18 min, 16mm film, optical sd, col 1943  
 Producer USN Agency No. MN 2617  
 Title No. 475905 Sale \$61.75  
 Shows the parasites as cysts in an ulcerated colon. Demonstrates by animation how the amoeba divides into eight amoebae which move about, and how the amoebae enter the blood.

**LIFE HISTORY OF THE ROCKY MOUNTAIN WOOD TICK**

18 min, 16mm film, optical sd, col 1969  
 Producer USNMAC Agency No. M-1716-X  
 Title No. 002526 Sale \$74.25  
 Depicts the two-year life-cycle of the Rocky Mountain wood tick. Shows the biology of the various stages-adults, eggs, larvae, and nymphs, and includes such features as adaptability to environment, host requirements, and natural controlling factors.

**LIFEBOATS UNDER GRAVITY DAVITS - LAUNCHING BOATS**

25 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07835A  
 Title No. 002527 Sale \$43.75  
 Shows the method of launching the Merchant Marine type of nested life-boats using the 'Wellin Gravity Davit.' Demonstrates methods of launching at dockside and while underway at sea.

**LIFEBOATS UNDER GRAVITY DAVITS - RECOVERING BOATS**

15 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN07835B  
 Title No. 002528 Sale \$27.00  
 Shows the single method of recovering the merchant marine type of nested life-boats using the 'Wellin Gravity Davit.' Demonstrates an actual recovery.

**LIFTING TEMPLATES FOR A FOUNDATION**

23 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN02338A  
 Title No. 002529 Sale \$40.50  
 Tells how to lift a template within the hull of a ship, and transfer the shape of the hull by use of measurements and cardboard.

**\*LIFTING-A-WEIGHT AWAY**

10 min, 16mm film, optical sd, col 1970  
 Producer USPOST  
 Title No. 003517 Sale \$27.75  
 Illustrates proper methods of lifting parcels and sacks to reduce back injuries among postal employees. Features an olympic weight-lifting champion applying proper techniques to actual postal operations.

**\*LIGHT FOR DEBRA, A**

21 min, 16mm film, optical sd, col  
 Producer USBEH  
 Title No. 000341 Sale \$109.50  
 An overview of the use of behavior modification through reinforcement as a tool to aid in concept, academic task and social development of the severely mentally retarded child. Filmed in cooperation with Parsons Research Center, Parsons Kansas and Fernal Institution, Massachusetts.

**LIGHT FROM A BLACK BOX**

28 min, 16mm film, optical sd, b&w  
 Producer USOE Agency No. OE 510  
 Title No. 002530 O/PRINT  
 Documents experimental efforts to apply programmed instruction and auto-instructional devices in the education of mentally retarded children.

**LIGHT-SENSITIVE MATERIALS**

22 min, 16mm film, optical sd, col 1948  
 Producer USN Agency No. MN05385  
 Title No. 002531 Sale \$74.75  
 Describes physics of light and color. Gives classification of light-sensitive materials according to light sensitivity and composition of lightsensitive materials.

**LIGHT, VESSELS BEING TOWED**

10 min, 16mm film, optical sd, col 1943  
 Producer USN Agency No. MN00202F  
 Title No. 002532 Sale \$34.00  
 Shows inland light rules for barges and canal boats, scow barges, scows, nondescript vessels in New York harbor area, and dump scows in New York harbor.  
 From the RULES OF THE NAUTICAL ROAD series.

**LIGHTHOUSES AND LIGHTSHIPS**

10 min, 16mm film, optical sd, col 1944  
Producer USN Agency No. MN00202AA  
Title No. 002533 Sale \$34.00  
Gives distinguishing characteristics of lighthouses and lightsips. Illustrates fixed light, flashing light, fixed and flashing light, group flashing, occulting, and alternation of color flashes.

**LIGHTS, RUNNING AND ANCHOR**

18 min, 16mm film, optical sd, col 1944  
Producer USN Agency No. MN00202C  
Title No. 002534 Sale \$61.75  
Shows inland and international rules for color of lights. Describes position and visibility for masthead, side, range, and anchor lights and lights displayed by vessels being overtaken.

**LINE-UP PROCEDURES FOR TACTICAL TELEGRAPH CARRIER EQUIPMENT**

8 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. TF11-1837  
Title No. 483610 Sale \$14.25  
Demonstrates the procedure for setting up tactical telegraph carrier equipment for two wire operations, and emphasizes various tests to determine its operating efficiency.

**LINER AND PISTON**

20 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN03708H  
Title No. 002088 Sale \$35.25  
Tells how to inspect liner, disassemble piston rod assembly, inspect slipper rod assembly, inspect piston assembly and piston, and replace rings.

**\*LINGALA - BASIC COURSE**

12 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004091 Sale \$39.00  
Cassettes and accompanying text are both available for \$40.50.

**OTHER FORMAT(S) OR VERSION(S)**

24 1/4 in. audiotapes, 1 track, monaural  
Producer USFSI  
Title No. 004092 Sale \$66.75  
Tape set and accompanying text are both available for \$68.25.

**\*LINGUISTIC ANALYSIS**

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003409 Sale \$25.25  
Sold only in a cartridge with expanding language and simplification of transformations. Presents short insights into home and school education of the profound hearing impaired.

**LINK**

8 min, 16mm film, optical sd, col 1967  
Producer USAEC  
Title No. 005289 Sale \$33.25  
Explains that current experiments in high energy physics involve the analysis of immense quantities of data and describes the experimental computer approach needed in these experiments. Discusses the link program and demonstrates the use of a CDC-3600 computer to generate orchestral sounds as background music.

**\*LIPOID PROTEINS**

21 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004597 Rental: W/DRAWN Sale: W/DRAWN

**LIQUID SCINTILLATION COUNTING**

14 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002224 Sale \$73.50  
Describes the use of a liquid scintillator for counting low-energy beta emitters commonly used in biological and medical tracer experiments.

**LISSAJOUS FIGURES**

27 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-212B  
Title No. 004334 Sale: W/DRAWN  
Shows Lissajous figures on an oscilloscope. Discusses them in terms of their general use of phase and frequency determinations, and demonstrates their use. (Kinescope)

**\*LISTEN AND TRANSCRIBE**

22 min, 1/4 in. audiotape, full-track, monaural  
Producer USBEH  
Title No. 003410 Sale \$85.00  
Set includes 22 tapes.

**LITTLE EXTRA WORK, A**

9 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-0995  
Title No. 002270 Sale \$31.00  
Shows the emotional conflicts involved in the working relationship between local and state health departments.

**\*LITTLE FLAME, A**

28 min, 16mm film, optical sd, col 1965  
Producer USDA Agency No. 4189  
Title No. 003966 Sale \$123.00  
Shows the dangers of fires carelessly caused by trash burning, smoking, brush and grass burning, campfires, and children playing with matches. John Weaver, a public spirited insurance man, helps to lick the fire problems in his community.

**\*LITTLE SMOKEY**

14 min, 16mm film, optical sd, col 1953  
Producer USDA Agency No. 1147  
Title No. 486440 Sale \$60.00  
Presents the story of 'Smoky', the bear cub which was found clinging to a charred tree after a forest fire in New Mexico and later taken to the National Zoo in Washington, DC. the importance of fire prevention is stressed.

**LIVING IN SPACE**

8 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 025  
Title No. 002275 Sale \$35.00  
A report on the problems and solutions of astronauts taking oxygen, water and food in space. Includes astronaut adjustments to such phenomena as weightlessness.  
From the APOLLO DIGEST series.

**LIVING IN SPACE, PT 1, THE CASE OF REGENERATION**

12 min, 16mm film, optical sd, col 1966  
Producer USNASA Agency No. HQ 0131A  
Title No. 002276 Sale \$52.50  
Introduces the concept of regenerative life support. Shows what is needed to provide men with clean fresh air, drinkable water, food, personal hygiene, waste disposal, temperature and humidity control.

**LIVING IN SPACE, PT 2, REGENERATIVE PROCESSES**

20 min, 16mm film, optical sd, col 1966  
Producer USNASA Agency No. HQ 0131B  
Title No. 002277 Sale \$84.00  
Shows the principles of physics, chemistry and mechanics employed in a regenerative life support system. Includes oxygen recovery, water purification, food and waste management, humidity and temperature control.

**LIVING IN SPACE, PT 3, A TECHNOLOGY FOR SPACECRAFT DESIGN**

12 min, 16mm film, optical sd, col 1966  
Producer USNASA Agency No. HQ 0131C  
Title No. 002307 Sale \$48.50  
Shows the features that must be incorporated into a spacecraft intended for long duration manned space flight and the technology that is being developed to solve the numerous problems.

<b>LIVING WITH A GLOVED BOX</b>			
15 min, 16mm film, optical sd, col Producer USAEC Title No. 002308	1964	Sale \$88.75	
Explains the principles and techniques of working with a gloved box, an enclosure designed for handling low-activity radioactive materials. Discusses the air flow and pressures within the box, the bagging in and bagging out of materials, the procedures for changing the filter, and a method for handling a fire within the gloved box.			
<b>LIVING WITH LIMITATIONS</b>			
20 min, 16mm film, optical sd, b&w Producer USVA Title No. 002309	1949	Sale \$35.25	
Explains how three veterans suffering from arthritis, heart condition, and a trick knee, respectively, are returned to health. Shows how VA physical, occupational, and educational therapists work co-operative and how the patients are helped in finding jobs suited to their physical limitations.			
<b>LIVING WITH RADIATION</b>			
28 min, 16mm film, optical sd, col Producer USAEC Title No. 002310	1958	Sale \$117.50	
Discusses in detail the radiation-safety program of National Atomic Energy Program, using the procedures at AEC's National Reactor Testing Station in Idaho as the typical illustrative example. Covers the separation-distance factor, the storage and/or dispersal of radioactive waste--protection of environmental monitoring--protection of workers by film badges, protective clothing, radiation counters, shielding, remote-control devices, decontamination procedures, and biochemical studies.			
<b>LOADED VOLTAGE DIVIDERS</b>			
33 min, 16mm film, optical sd, b&w Producer USAF Title No. 002311		Agency No. TVK 30-133 Sale \$68.25	
Defines and illustrates 'load.' Then shows how to determine the voltage at each tap and the current through the loads and voltage dividers. Leads the student through a problem of calculating the voltage and current through a loaded voltage divider. Then shows how the direction of current flow and the polarity of the voltages across each resistor is determined. (Kinescope)			
<b>*LOADING AND UNLOADING POLES</b>			
21 min, 16mm film, optical sd, b&w Producer USA Title No. 003099	1944	Agency No. TF-11-1384 Sale \$44.50	
Shows procedures for loading poles on and unloading from a flatcar or trailer - safety precautions stressed.			
<b>LOADS &amp; LOADING OF GENERAL TRANSPORT VEHICLES</b>			
18 min, 16mm film, optical sd, b&w Producer USA Title No. 487910	1954	Agency No. TF55-1918 Sale \$32.00	
Shows characteristics of the five types of military cargo transported via vehicle and the prescribed loading procedures for each. Emphasis is on maximum authorized load, proper vehicle for given load, and safety precautions.			
<b>LOCATING AND REPAIRING LEAKS</b>			
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 002312	1945	Agency No. OE 440 Sale \$30.50	
How to test for sulphur dioxide and methyl chloride leaks - use the halide torch to locate freon leaks and repair several types of leaks.			
<b>LOCATING HOLES, DRILLING AND TAPPING IN CAST IRON</b>			
18 min, 16mm film, optical sd, b&w Producer USOE Title No. 488300	1942	Agency No. OE 047 Rental \$7.50 Sale \$32.00	
Shows how to lay out a bolt circle having eight holes, to use the center punch as centers for drilling and to use a tapping chuck for set screws. From the MACHINE SHOP WORK series. Operations on the Drill Press, Vertical Drill, No. 1			
<b>LOG OF MARINER IV</b>			
		27 min, 16mm film, optical sd, col Producer USNASA Title No. 488560	1968 Agency No. HQA 159 Sale \$106.50
		Discusses the problems of trajectory, mid-course correction, and transmission of photographs in digital form, and offers pictures of the Martian surface made from the Mariner flyby of the planet Venus in 1965.	
<b>LONG CANE, THE, PT 1, INDOORS</b>			
		32 min, 16mm film, optical sd, b&w Producer USVA Title No. 002313	1954
		Covers some of the problems of veterans who lose their sight following discharge from the service. Demonstrates therapeutic methods in general, and specific techniques of foot travel, including use of a long cane, physical re-training for mobility within the hospital, and preparation for advanced therapy.	Sale \$55.25
<b>LONG CANE, THE, PT 2, OUTDOORS</b>			
		32 min, 16mm film, optical sd, b&w Producer USVA Title No. 002314	1954
		Shows the therapy given blinded veterans in techniques of foot travel outside the hospital in uncontrolled areas, both residential and business, including uses of the long cane, sound detection, and problems related to public attitudes.	Sale \$55.25
<b>LONG CONE TECHNIQUE</b>			
		11 min, 16mm film, optical sd, col Producer USN Title No. 002315	1963 Agency No. D-9-R Sale \$42.50
		Demonstrates the superiority of films produced by the 'long cone' technique and illustrates in detail the placement of film to produce images with the best anatomical accuracy.	
<b>LONG HAUL, THE</b>			
		14 min, 16mm film, optical sd, col Producer USSR Title No. 002316	1963
		Shows a fisherman's efforts to provide for his family after a crippling accident. It explains the Social Security Disability Insurance protection.	Sale \$48.50
<b>*LONGER LIFE FOR WOOD</b>			
		17 min, 16mm film, optical sd, col Producer USDA Title No. 003967	1954 Agency No. 1156-R Sale \$80.00
		Designed to show the average user of wood the economic advantages of using treated wood in places where decay is likely to occur. Shows the value of good construction, and how improper construction can lead to early decay in wood. Portrays treatment of wood with preservatives in commercial treating plants, as well as home treatments on the farm and in the city.	
<b>LOOK FURTHER THAN TOMORROW</b>			
		34 min, 16mm film, optical sd, b&w Producer USOJD Title No. 490440	1967
		Discusses the pros and cons of summer youth involvement programs in Washington, D.C.	Sale \$78.50
<b>*LOOP, THE</b>			
		14 min, 16mm film, optical sd, b&w Producer USN Title No. 491300	1943 Agency No. MN01325A Sale \$75.00
		Instructs in the procedure of making the loop and the precautions to take before leaving the ground. From the INTERMEDIATE ACROBACTICS series. Pt 1	
<b>LORAN DUTY - A CHALLENGE</b>			
		28 min, 16mm film, optical sd, col Producer USCG Title No. 491325	1957
		Shows the physical appearance, location, operations, duties, and recreation at LORAN stations in the arctic and Pacific areas.	Sale: W/DRAWN

#### \*LOST AND FOUND

29 min, 16mm film, optical sd, col 1972  
Producer USDL  
Title No. 000392 Rental \$12.50  
Illustrates work with drop-outs and ghetto youths in the Job Corps Camps to develop their skills thru specialized training along union lines. These unions provide the instructors, know-how and continual counseling which eventually lead to good-paying beginners jobs in each of these unions.

#### LOST MIXING TIME ON DUAL-DRUM PAVER

30 min, 16mm film, optical sd, col 1959  
Producer USFHWA  
Title No. 491950 Sale \$101.00  
Highlights the importance of the simultaneous mixing interval in meeting mixing time specifications with dual-drum pavers. Shows some trouble spots and the significance of proper adjustments to the batchmeter.

#### LOST PRODUCTION IN HIGHWAY CONSTRUCTION

30 min, 16mm film, optical sd, col 1957  
Producer USFHWA  
Title No. 002317 Sale \$101.00  
Examines minor delays that affect production rates of key units of highway construction equipment, including power shovels, scrapers, hot-mix bituminous plants, and concrete paver.

#### \*LOUDNESS - 1

13 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. B-101  
Title No. 003411 Sale \$35.75  
Illustrates an early lesson at the presentation stage of loudness and uses technique for handling inattention.  
From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech

#### \*LOUDNESS - 2

13 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. B-102  
Title No. 003412 Sale \$29.50  
Introduces a lesson at the imitation stage of loudness helping the pupil correctly imitate loud and soft vowels.  
From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech

#### \*LOUDNESS - 3

15 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. B-103  
Title No. 003413 Sale \$34.25  
Introduces a lesson demonstrating the production of vowels using requested loudness on first trials.  
From the TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech

#### LOW LEVEL AIR NAVIGATION

22 min, 16mm film, optical sd, col 1980  
Producer USN Agency No. MN08917  
Title No. 492675 Sale \$74.50  
Demonstrates flight planning and flight techniques to be used by carrier attack pilots in the navigation portion of the low level attack mission. Shows how natural and man-made landmarks are selected and utilized in flight as checkpoints along the route flown. Follows a light carrier attack pilot through the flight planning and flying procedures of a simulated low level attack mission.

#### LSD

37 min, 16mm film, optical sd, col 1987  
Producer USN Agency No. MN10507A  
Title No. 492648 Sale \$149.00  
Outlines how LSD was discovered, the dangers of its misuse, and its effects on the brain and body. Features Walter Miner, LCDR, Medical Corps, USN.

#### LUBRICATION OF ELECTRONIC EQUIPMENT

9 min, 16mm film, optical sd, col 1953  
Producer USN Agency No. MN 6942  
Title No. 692710 Sale \$31.00  
Explains the importance of routine and methodical lubrication of electronic equipment according to recommended procedures.

#### \*UGANDA - BASIC COURSE

10 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004093 Sale \$32.50  
Cassettes and accompanying text are both available for \$34.75.

#### OTHER FORMAT(s) or VERSION(s)

19 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004094 Sale \$53.00  
Tape set and accompanying text are both available for \$55.25.

#### LUMBAR PUNCTURE

13 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN1511N  
Title No. 002318 Sale \$23.75  
Shows how to prepare a patient for a lumbar puncture. Indicates the position of the patient, describes the operation, and by animation demonstrates what happens when the injection is made.

#### LUNAR MODULE, THE

5 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 007  
Title No. 493300 Sale \$23.50  
A close-up look at the vehicle which made the actual touchdown on the lunar surface. Includes a view from the inside, as well as an examination of the exterior features.  
From the APOLLO DIGEST series.

#### \*LUNAR RECEIVING LAB

8 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD-29  
Title No. 493320 Sale \$33.25  
Shows the facilities at the laboratory of the Manned Spacecraft Center.

#### \*LUPUS ERYTHEMATOSUS

20 min, 16mm film, optical sd, col  
Producer IDCE  
Title No. 004335 Rental: W/DRAWN Sale: W/DRAWN

#### MACARTHUR STORY, THE

20 min, 16mm film, optical sd, b&w 1964  
Producer USDOD Agency No. AFIF0132  
Title No. Q02341 Sale \$45.25  
Highlights the life of General Douglas MacArthur. Cites his leadership in three wars and reviews his peacetime contributions.

#### MACHINING A CAST IRON RECTANGULAR BLOCK

25 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 020  
Title No. 494500 Rental \$10.00 Sale \$43.75  
Shows several processes, such as how to set the shaper ram stroke. Tells how to adjust the shaper table, vise, vertical feed, head feed and crossfeed, and set up a rectangular cast iron block.  
From the MACHINE SHOP WORK series. Operations on the Shaper, No. 2

#### MACHINING A CAST IRON RECTANGULAR BLOCK (SPANISH)

25 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 020  
Title No. 002319 Rental \$10.00 Sale \$43.75  
Shows several processes, such as how to set the shaper ram stroke. Tells how to adjust the shaper table, vise, vertical feed, head feed and crossfeed, and set up a rectangular cast iron block.  
From the MACHINE SHOP WORK series. Operations on the Shaper, No. 2

**MACHINING A TOOL STEEL V BLOCK**

21 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 021  
Title No. 494550 Rental \$7.50 Sale \$37.00  
Shows how to lay out work for machining on a shaper, set up and position the ram stroke, and machine 'V' grooves and rectangular slots.  
From the **MACHINE SHOP WORK** series. Operations on the Shaper, No. 3

**MACHINING LAMINATED PLASTICS**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 475  
Title No. 494600 Rental \$7.50 Sale \$33.75  
Shows how to machine a typical laminated part, cut the tube stock to length on a circular saw, turn the outside diameters on a lathe, machine inside diameters by boring with a lathe and finish on a milling machine.  
From the **PLASTICS** series. No. 10

**MACHINING WORK HELD IN CHUCK - USE OF REFERENCE SURFACES**

24 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 060  
Title No. 494650 Rental \$10.00 Sale \$42.25  
Explains how to select and machine surfaces to be used for reference, how to set up a workpiece accurately to the reference surfaces in a lathe chuck and how to use a boring bar to machine several internal surfaces.  
From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 12

**MACHINING WORK HELD IN CHUCK - USE OF REFERENCE SURFACES (SPANISH)**

24 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 060  
Title No. 002320 Rental \$10.00 Sale \$42.25  
Explains how to select and machine surfaces to be used for reference, how to set up a workpiece accurately to the reference surfaces in a lathe chuck and how to use a boring bar to machine several internal surfaces.  
From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 12

**\*MAGIC OF FIRE, THE**

23 min, 16mm film, optical sd, col 1965  
Producer USBM  
Title No. 003571 Sale \$92.00  
Illustrates how fires and explosions occur, and describes the safe use and control of commonly used gases and flammable liquids by the tabletop displays and laboratory demonstrations. Points out the various industrial fires and fire hazards in the home with instruction on their prevention.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4600 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**MAGNETIC BOTTLE, THE - ATOMS FOR PEACE**

11 min, 16mm film, optical sd, col 1958  
Producer USIA Agency No. 01-02421  
Title No. 004336 Rental: W/DRAWN Sale: W/DRAWN  
Explains how thermonuclear fusion results in formation of hydrogen and helium atoms which develop tremendous heat and power. Questions man's ability to control what he creates. Made from the longer Atomic Energy Commission film 'Research into Controlled Fusion.'

**MAGNETIC CORES, PT 1, PROPERTIES**

29 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3131  
Title No. 002321 Sale \$50.25  
Depicts properties of magnetic cores and their application in data processing system. Shows how info is stored and transferred from one core to another.

**MAGNETIC CORES, PT 2, BASIC CIRCUITS**

30 r.in, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3132  
Title No. 002535 Sale \$52.00  
Gives features and functions of single-diode, splitwinding, and inhibit transfer loops. Describes application of these loops singly or in combination.

**MAGNETISM, PT A**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-135A  
Title No. 002322 Sale \$70.50  
Defines magnets and explains the difference between natural and artificial magnets. Discusses the characteristics of magnetic lines of force about a magnet and the laws of repulsion and attraction between magnets. Then gives the factors that affect the amount of repulsion and attraction. Finally, explains the theory of molecular arrangement in a magnet. (Kinescope)

**MAGNETISM, PT B**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-135B  
Title No. 001030 Sale \$70.50  
Discusses magnetic terms--permeability, retentivity, flux, reluctance, residual magnetism, and magnetic shielding. Explains the characteristics of temporary and permanent magnets, concluding with a presentation of the basic shapes in which magnets are generally found. (Kinescope)

**MAGNETRON**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-913  
Title No. 002324 Sale \$82.25  
Explains basically, how the traveling wave magnetron operates. Discusses the filters that exist in the magnetron and their effects on electron motion. Reviews the basic requirements of an oscillator, and shows how the magnetron meets these requirements. Points out factors that determine power and frequency, and emphasizes the effects of varying magnetic field

**MAIL DISTRIBUTION CLERK, THE**

15 min, 16mm film, optical sd, col  
Producer USPO  
Title No. 497655 Sale \$62.00  
Tells what the duties of a mail distribution clerk are and demonstrates the 'inside work' at a Post Office.

**MAIL HANDLER, THE**

12 min, 16mm film, optical sd, col  
Producer USPO  
Title No. 497700 Sale \$50.50  
Demonstrates the responsibilities of the mail handler at a large Post Office.

**MAINSTAY OF THE MAILED, THE**

13 min, 16mm film, optical sd, col  
Producer USPO  
Title No. 497850 Sale \$54.00  
Shows the complexity and importance of maintaining the equipment and buildings of today's postal system. Illustrates the latest mechanization equipment, and stresses the need for highly skilled maintenance employees.

**\*MAINTAINING GOOD VOLTAGE ON RURAL DISTRIBUTION LINES**

37 min, 16mm film, optical sd, b&w 1953  
Producer USDA Agency No. 1180  
Title No. 003968 Sale \$70.00  
Presents a training aid to electric power system operating personnel to assist them in providing better electric service. It illustrates methods that may be used to evaluate voltage conditions on rural distribution systems. Means for voltage improvement are suggested.

**MAINTAINING GOOD WORKING CONDITIONS**

9 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 152  
 Title No. 497950 Rental \$5.00 Sale \$15.75  
 Two supervisors describe specific ways which they used in improving working conditions.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTAINING GOOD WORKING CONDITIONS (SPANISH)**

9 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 152  
 Title No. 002326 Rental \$5.00 Sale \$15.75  
 Two supervisors describe specific ways which they used in improving working conditions.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTAINING QUALITY STANDARDS**

10 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 164  
 Title No. 497970 Rental \$5.00 Sale \$17.50  
 Tells how a supervisor learns that quality as well as quantity production is necessary and how such quality standards can be achieved and maintained.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTAINING QUALITY STANDARDS (SPANISH)**

10 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 164  
 Title No. 002328 Rental \$5.00 Sale \$17.50  
 Tells how a supervisor learns that quality as well as quantity production is necessary and how such quality standards can be achieved and maintained.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTAINING THE HUP SERVICE TYPE HELICOPTER ROTOR SYSTEMS AND RELATED CONTROLS**

16 min, 16mm film, optical sd, b&w 1952  
 Producer USN Agency No. FN07397B  
 Title No. 497960 Sale \$28.50  
 Illustrates basic steps in the removal of rotor blades and hub, snubbers, flap restrainers, and dampers. Shows procedures for setting blade angle of incidence and checking control cable tensions.

**MAINTAINING WORKERS' INTEREST**

13 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 159  
 Title No. 498025 Rental \$7.50 Sale \$23.75  
 Dramatizes instances of employees doing poor work because their jobs do not interest them, and shows what the supervisor should do to detect and remedy such situations.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTAINING WORKERS' INTEREST (SPANISH)**

13 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 159  
 Title No. 002329 Rental \$7.50 Sale \$23.75  
 Dramatizes instances of employees doing poor work because their jobs do not interest them, and shows what the supervisor should do to detect and remedy such situations.  
 From the PROBLEMS IN SUPERVISION series.

**MAINTENANCE AND REPAIR OF STEAM CONDENSER CIRCULATING WATER SIDE**

17 min, 16mm film, optical sd, b&w 1952  
 Producer USN Agency No. FN06733  
 Title No. 002330 Sale \$40.50  
 Explains the principle and operation of the steam condenser, and shows the procedures of preparing, cleaning, inspecting, repairing, and testing a condenser.

**MAINTENANCE SAFETY IN AVIATION - MURPHY'S LAW**

10 min, 16mm film, optical sd, col  
 Producer USN Agency No. FN08642  
 Title No. 498125 Sale \$34.00  
 Tells how improper installation of aircraft equipment can cause accidents.

**MAINTENANCE TANK CLEANING - BUTTERWORTH METHOD**

31 min, 16mm film, optical sd, b&w 1950  
 Producer USN Agency No. MN06689A  
 Title No. 006411 Sale \$53.50  
 Explains how purposes govern procedures to be followed and shows basic techniques in applying butterworth method.

**\*MAKE THE ROOF SAFE**

26 min, 16mm film, optical sd, col 1960  
 Producer USBM  
 Title No. 003553

Rental \$101.75  
 Through filmic flashbacks, the two men relate other mining accidents that resulted in deaths of men they knew. Discusses how and why these occurred, and the safety precautions that could have prevented each accident.  
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**MAKING A COLD BEND ON A HAND POWERED MACHINE**

13 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 108  
 Title No. 499150

Sale \$28.50  
 Discusses the importance of bends in marine pipe installation. Shows how to measure pipe for bends and how to operate a hand-bending machine.  
 From the SHIPBUILDING SKILLS series. Pipefitting, No. 4

**MAKING A CORE BOX FOR A FLANGED PIPE ELBOW**

21 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 330  
 Title No. 499155

Rental \$7.50 Sale \$37.00  
 Tells how to use a pattern layout in making a core box, design a core box, lay out a curved core box piece, turn the core cavity in a curved piece, assemble a core box having a curved core piece, and finish the core box.  
 From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 10

**MAKING A CORE BOX FOR A MACHINE BASE**

12 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 334  
 Title No. 499160

Rental \$7.50 Sale \$22.25  
 Describes how a patternmaker, working from a casting, goes about the job of designing a core box. Tells how he examines the casting, visualizes the problem, makes the layout, and constructs the pattern and core boxes.  
 From the PRECISION WOOD MACHINING series. Problems in Patternmaking

**MAKING A CORE BOX FOR A TAIL PRINT**

18 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 350  
 Title No. 008479

Rental \$7.50 Sale \$32.00  
 Tells how to use dry sand cores in molding holes in castings, use pattern layout to make a core box, distinguish between core and core print, lay out the core print, add the core, and determine parting line of a core box.  
 From the PRECISION WOOD MACHINING series. Problems in Patternmaking

**MAKING A CORE BOX FOR A VERTICAL CORE**

19 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 329  
 Title No. 499165

Sale \$40.50  
 Explains function of the sand core, how to make a half box, and how to use parted boxes. Describes how to use layout pattern in making a core box, prepare core box pieces, and assemble a core box.  
 From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 9

**MAKING A FIVE TUCK SPLICE**

26 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 143  
 Title No. 499220

Rental \$10.00 Sale \$45.50  
 Tells how to prepare the cable for splicing, and make the

tucks. Includes a description of how to taper, set, serve, and shellac the splice.

From the AIRCRAFT WORK series. Control Cables, No. 2

#### MAKING A MASTER CONTOUR TEMPLATE

18 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 125  
Title No. 499255 Sale \$37.50

Describes purpose of a master contour template. Tells how to transfer a line from a linesboard to a piece of sheet metal, measure and record bevel angles, and the importance of frequent checks for accuracy.

From the AIRCRAFT WORK series. Templates, No. 1

#### MAKING A MASTER DEVELOPED LAYOUT, AND MAKING THE FORM BLOCK, PT 2

18 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 127  
Title No. 499261 Sale \$33.75

Tells how to complete the master developed layout by calculating and scribing the form block lines. Describes how to make the form block.

From the AIRCRAFT WORK series. Templates, No. 3

#### MAKING A MASTER DEVELOPED LAYOUT, PT 1

20 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 126  
Title No. 499260 Sale \$42.25

Tells how to make the complete pattern or master developed layout for a bulkhead in an airplane fin, using a master contour template.

From the AIRCRAFT WORK series. Templates, No. 2

#### MAKING A MATCHBOARD PATTERN

21 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 328  
Title No. 499300 Rental \$7.50 Sale \$37.00

Shows how to sketch a matchboard, make patterns, prepare gates to connect patterns, prepare the runner for the cope side, assemble the matchboard, turn a draft taper on a hole and attach flask fixtures.

From the PRECISION WOOD MACHINING series.

#### MAKING A ONE-PIECE FLAT PATTERN

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 321  
Title No. 499400 Rental \$7.50 Sale \$38.50

Shows how to identify the parts of the molding flask, to use shrinkage rules, to prepare the pieces, to make identical castings and to finish the patterns.

From the PRECISION WOOD MACHINING series.

#### MAKING A PATTERN FOR A FLANGED PIPE ELBOW

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 327  
Title No. 499440 Rental \$7.50 Sale \$32.00

Tells how to make a right-angle layout, turn out separate core prints, make split flanges, set flanges into core prints, assemble half the pattern on the layout, dowel an elbow pattern, and apply leather fillets.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 7

#### MAKING A PATTERN FOR A MACHINE MOLDED STEEL GLOBE AND ANGLE VALVE

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 340  
Title No. 499450 Rental \$7.50 Sale \$25.50

Explains how machine molding affects pattern design and how a patternmaker designs and constructs a pattern for a valve body, including the gating system.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING A PATTERN FOR A THREE-PART MOLD

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 328  
Title No. 499480 Rental \$7.50 Sale \$35.25

Gives reasons for the three-part pattern. Tells how to make the layout, segment the body or center section, eliminate end

grain on large flanges, and turn large work on the end of the lathe.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 6

#### MAKING A PATTERN REQUIRING A COVER CORE

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 332  
Title No. 499470 Rental \$7.50 Sale \$25.50

Shows how molding and coring problems lead to the choice of a cover core. Describes how a patternmaker designs a pattern and core boxes requiring a cover core, designs a cover print, and constructs a pattern for a cover pulley.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING A PATTERN REQUIRING BOX CONSTRUCTION

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 333  
Title No. 499475 Rental \$7.50 Sale \$30.50

Tells how a patternmaker approaches the task of making a pattern for a duplicate of a casting, examines and measures the casting, visualizes the problem, and constructs the pattern.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING A PATTERN REQUIRING SEGMENTAL CONSTRUCTION

13 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 335  
Title No. 499500 Rental \$7.50 Sale \$23.75

Explains why segmental construction is a preferred method for some patterns and shows how a patternmaker designs and constructs a pattern for a gear blank which requires segmental construction.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING A PATTERN USING A GREEN AND A DRY SAND CORE

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 331  
Title No. 499510 Rental \$7.50 Sale \$25.50

Describes how a green sand core is molded. Tells how a patternmaker determines when to allow for a green sand core, designs a pattern allowing for a green sand core, and visualizes and constructs a particular pattern.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING A PATTERN WITH A HORIZONTAL CORE

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 323  
Title No. 499515 Rental \$7.50 Sale \$25.50

Tells when to use a horizontal core, and how to allow for shrinkage in bronze, lay out fillets, make horizontal core prints, true up a parting plane, dowel a pattern with a horizontal core, and turn crusher strips.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 3

#### MAKING A PATTERN WITH A TAIL PRINT

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 324  
Title No. 499520 Rental \$7.50 Sale \$33.75

Depicts how to mold castings with holes, make a rough sketch for visualizing the actual casting, use dry sand cores, form core cavities by using tail prints, and make a layout including tail prints.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 4

#### MAKING A PATTERN WITH A VERTICAL CORE

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 322  
Title No. 499525 Rental \$7.50 Sale \$28.50

Shows the importance of making a preliminary sketch. Tells how to make the layout, allow for shrinkage, allow for finish,

lay out the core prints, use the layout, assemble the pattern, allow for draft, and shellac the pattern.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 2

#### MAKING A SEGMENTED PATTERN

22 min, 16mm film, optical sd, b&w 1945

Producer USOE Agency No. OE 325

Title No. 499545 Rental \$7.50 Sale \$38.50

Tells how to plan segmentation of pattern, lay out segments and web, assemble the pattern, prepare a recessed hub, and finish the pattern.

From the PRECISION WOOD MACHINING series. Fundamentals of Patternmaking, No. 5

#### MAKING A SIMPLE CORE

15 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 424

Title No. 499550 Rental \$7.50 Sale \$27.00

Demonstrates how to prepare sand for coremaking, make a small cylindrical core in either one or two pieces, assemble a two-piece core and locate a vertical core in a mold to provide necessary venting. Shows how core gases escape when a mold is poured.

From the FOUNDRY PRACTICE series. Bench Molding, No. 2

#### MAKING A WIRE TEMPLATE

19 min, 16mm film, optical sd, b&w 1944

Producer USN Agency No. MN002337B

Title No. 002331 Sale \$33.75

Shows how to draw lay-out measurements with and blueprints, transfer blueprints, find the radius with a beam compass, and bend a template.

#### MAKING A WRAPPED AND SOLDERED SPLICE

15 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 144

Title No. 499650 Rental \$7.50 Sale \$27.00

Demonstrates how to make a ball soldered terminal, prevent the wires from unlacing when cut, fit a cable to a thimble and make the wire wrap.

From the AIRCRAFT WORK series. Control Cables, No. 1

#### MAKING AN UNOCCUPIED BED

14 min, 16mm film, optical sd, b&w 1957

Producer USN Agency No. MN08576A

Title No. 006410 Sale \$25.50

Demonstrates the procedures to be followed and the equipment and supplies needed to arrange a bed unit in a hospital ward or room.

#### MAKING AND REPAIRING TUBING CONNECTIONS

18 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 452

Title No. 499700 Rental \$7.50 Sale \$32.00

Shows how to straighten copper tubing, how to work, cut and dress copper tubing, how to make a flare for various sizes of tubing and how to sweat in a connector to cover a break.

From the REFRIGERATION SERVICE series. Commercial Systems, No. 5

#### \*MAKING CONTACT - A BEGINNING IN SPEECH AND LANGUAGE THERAPY

9 min, 16mm film, optical sd, col

Producer USDHEW

Title No. 000342 Sale \$40.75

An introduction to the field of speech pathology, the film centers around the role of the clinician in relation to children who do not communicate or relate.

#### MAKING ENDIS MEET

11 min, 16mm film, optical sd, col 1969

Producer USSR

Title No. 002332 Sale \$44.75

Shows via film-a-graph techniques the successful operation of a day-care center in Perry, Georgia, where limited funds were available.

#### MAKING OF A CHAMPION, THE

20 min, 16mm film, optical sd, b&w

1963

Producer USIA

Agency No. 01-02589

Title No. 004337. Rental: W/DRAWN Sale: W/DRAWN

Depicts the 89-day training period spent in the United States by 30 track and field athletes from 18 countries. A closing montage gives information about the progress the individual champions have made.

#### MAKING PATTERN, CORE BOXES, AND ASSEMBLING CORES FOR A WATER-COOLED MOTOR BLOCK

18 min, 16mm film, optical sd, b&w

1945

Producer USOE

Agency No. OE 339

Title No. 500660 Rental \$7.50 Sale \$27.00

Tells how a patternmaker constructs the pattern and master core boxes, checks the working core boxes, and pastes up and assembles test cores.

From the PRECISION WOOD MACHINING series. Problems in Patternmaking

#### MAKING SHEET METAL REPAIRS

19 min, 16mm film, optical sd, b&w

1945

Producer USOE

Agency No. OE 252

Title No. 500770 Sale \$40.50

Describes how to remove damaged area around hole and lay out trim lines. Tells how to prepare hole to receive patch, 'bump' out plug and doubler, mark and drill plug and doubler, and rivet completed patch to part.

From the AIRCRAFT WORK series. Aircraft Maintenance

#### MAKING THE OCCUPIED BED

15 min, 16mm film, optical sd, b&w

1957

Producer USN

Agency No. MN08576C

Title No. 182072 Sale \$27.00

Demonstrates the procedure to be followed and the supplies and equipment needed to arrange a bed unit in the hospital room or ward while the bed is occupied by a patient.

CLEARED PORT TV.

#### \*MAL DIE MELEDA

8 min, 16mm film, optical sd, col

1962

Producer ILDS

Title No. 004338 Sale: W/DRAWN

Shows examples of the rare keratoderma among inhabitants of the Adriatic Island of Meleda. Illustrates course and genetic transmission unique to Mal de Meleda.

#### MALARIA CONTROL ON IMPOUNDED WATER

19 min, 16mm film, optical sd, col

1948

Producer USNMAC

Agency No. 04-00069.1

Title No. 002333 Sale \$85.00

Depicts the malaria control program for the Kentucky Reservoir-planning operations. Reservoir clearance before impoundage, permanent control measures including dyking and de-watering, emergency control measures including house mosquito-proofing and spraying, and Reservoir operations.

#### \*MALARIA ERADICATION

17 min, 16mm film, optical sd, b&w

1958

Producer USIA

Agency No. 01-02346

Title No. 004339. Rental: W/DRAWN Sale: W/DRAWN

Reviews world efforts to wipe out malaria. Shows the anopheline mosquito under the combined attack of the World Health Organization, UNICEF, the Pan-American Sanitary Organization, AID, and official and private groups in scores of countries.

#### \*MALIGNANT ATROPHYLING PAPULOSIS

9 min, 16mm film, optical sd, col

1962

Producer ILDS

Title No. 004340 Sale: W/DRAWN

Reveals features and course of this rare and usually fatal dermatosis. Demonstrates lesions on the skin, eye, mucous membranes of the mouth, and, by laparoscopy, the large intestines.

**\* MAMMOGRAPHY - A SERIES**

45 min, 2x2 slide set, 1/4 in. audiotape, col 1973  
**Producer USNMAC**  
**Title No. 003118** Sale \$30.00  
 Shows an introduction to the field of mammography, useful to radiologists, physicians and mammographers.

BREAST DISEASES - THEIR IMPORTANCE IN YOUR --  
 DAILY PRACTICE  
 MAMMOGRAPHY TECHNIQUE  
 INTRODUCTION TO MAMMOGRAPHY  
 SUBMITTED FOR PROFESSIONAL GROUPS ONLY

**\* MAMMOGRAPHY TECHNIQUE**

11 min, 2x2 slide set, 1/4 in. audiotape, col 1973  
**Producer USNMAC** Agency No. S-2801  
**Title No. 003120** Sale \$10.00  
 Designed to be used as adjunct to basic set titled "Introduction to Mammography".  
 From the *MAMMOGRAPHY* series.  
 SUBMITTED FOR PROFESSIONAL GROUPS ONLY

**MANO OF COLBY**

15 min, 16mm film, optical sd, col 1967  
**Producer USIA** Agency No. 51-11251  
**Title No. 004341** Rental: W/DRAWN Sale: W/DRAWN  
 Describes the life of an Ethiopian student, Sebeibe Mamo, at Colby College in Maine. Concentrates on his performance as a star athlete on Colby's track team. Includes other sequences which show Mamo as an integrated part of college life.

**\* MAN AGAINST FIRE**

28 min, 16mm film, optical sd, col 1969  
**Producer USDA** Agency No. 8300  
**Title No. 003969** Sale \$139.00  
 Tells the story of man's fight to save forest resources from destruction by wildfire--by the use of his brain power and experience - muscle power and stamina, and technology and strategy. Federal, state, and local cooperative fire control measures protect our nation's water supply, timber, wildlife, recreation areas, and scenic wonders of the forests.

**\* MAN AGAINST FIRE (SPANISH)**

28 min, 16mm film, optical sd, col 1969  
**Producer USDA** Agency No. 8300-S  
**Title No. 003798** Sale \$139.00  
 Tells the story of man's fight to save forest resources from destruction by wildfire--by the use of his brain power and experience - muscle power and stamina, and technology and strategy. Federal, state, and local cooperative fire control measures protect our nation's water supply, timber, wildlife, recreation areas, and scenic wonders of the forests.

**\* MAN AND A RIVER, A**

15 min, 16mm film, optical sd, col 1973  
**Producer USEPA**  
**Title No. 000690** Sale \$64.25  
 Depicts a river and a man in love with it. The river is the Buffalo, and the man is Thomas Hart Benton, American painter, conservationist and raconteur.

**\* MAN AND HIS HABITS**

13 min, 16mm film, optical sd, col 1969  
**Producer USBM**  
**Title No. 003532** Sale \$52.50  
 Shows how man's habits may endanger his safety by becoming routine - when carried over to his work. By visual examples, the worker is shown how to acquire safe work habits by practicing safety at home and on the job.  
 From the *FOREMANSHIP TRAINING* series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15212. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**MAN AND RADIATION**

28 min, 16mm film, optical sd, col 1963  
**Producer USAEC**  
**Title No. 502065** Sale \$98.00  
 Describes many aspects of radiation and presents a survey of the widespread application of radiation in medicine, industry, agriculture, power and research. Uses animation to explain the different types of radiation and the alpha, beta, and gamma rays. Discusses radiation studies in photosynthesis using radiochromatography, as well as the Atomic Energy Commission's research on food preservation through irradiation, the Army's projects, and the use of radiation to produce plastics in wood.

**MAN AND SAFETY - PHYSICAL LIMITATIONS**

24 min, 16mm film, optical sd, col 1963  
**Producer USAF** Agency No. TF 5522B  
**Title No. 502075** Sale \$81.50  
 Describes man's physical limitations and relates them to human error accidents. Delineates human frailties in movement, sound, vision, balance and vertigo, tactile sensitivity, perception and reflexes. Reconstructs several accidents to show consequences of exceeding one's physical capacities.  
 CLEANED FOR TV.

**MAN AND THE ATOM**

59 min, 16mm film, optical sd, col 1965  
**Producer USAEC**  
**Title No. 002335** Sale \$198.00  
 Surveys the role of the Atomic Energy Commission in Nation's Atomic Energy program. Reviews the atom's place in national defense, and shows the mining of uranium and processing into fissionable materials. Materials. Reviews some aspects of the peaceful uses of nuclear explosives, surveys radioisotopes and their many applications, discusses the SNAP program, explores some aspects of high energy physics, and concludes with statements by Dr. Glenn T. Seaborg concerning the future of the Nation's Atomic Energy program.

**MAN AND THE FBM**

28 min, 16mm film, optical sd, col 1960  
**Producer USN** Agency No. MN09400B  
**Title No. 002336** Sale \$94.50  
 Shows the fleet ballistic missile submarine and discusses the recruitment and training of the personnel who will operate the Navy's nuclear weapons system.

**MAN IN FLIGHT**

19 min, 16mm film, optical sd, col 1960  
**Producer USAF** Agency No. TF01-5371  
**Title No. 502175** Sale \$65.00  
 Depicts the research being carried on at the School of Aviation Medicine, Brooks Air Force Base, Texas, to insure man's comfort and safety in flight. Discusses what science is doing to resolve biological problems and alleviate the emotional stresses which man will encounter when he is in space. Shows the intensive training conducted for U S Air Force Medical Service officers and airmen and medical personnel of allied nations.

**\* MAN IN GREEN, THE**

29 min, 16mm film, optical sd, col 1970  
**Producer USDA** Agency No. 9090  
**Title No. 003784** Sale \$141.00  
 Tells the story of the state forestry organizations. The state forester, the district ranger, the service forester, and the urban forester function in their state capitals, and their states forests, private woodlands, and metropolitan areas.

**\* MAN IN SPACE - THE SECOND DECADE**

28 min, 16mm film, optical sd, col 1971  
**Producer USNASA** Agency No. HQ 208  
**Title No. 502325** Sale \$117.25  
 Briefly relates the history of the manned space flight program and then presents the lunar mission prospects for 1971 and 1972, the first experimental space station called 'Skylab' in 1972 and 1973, and the Space Shuttle later in the decade.

**MAN IN SPORTS**

8 min, 16mm film, optical sd, b&w 1968  
Producer USAF Agency No. 01-11698  
Title No. 004342 Rental: W/DRAWN Sale: W/DRAWN  
An imaginative treatment of the still photographic exhibit 'Man in Sports' at the Baltimore Museum of Art, January, 1968. Emphasizes the importance of sports as a common denominator among peoples and as a factor in Man's development of a fuller, more creative life.

**MAN IN THE SEA**

30 min, 16mm film, optical sd, b&w 1967  
Producer USIA Agency No. 01-01688  
Title No. 004343 Rental: W/DRAWN Sale: W/DRAWN  
Shows oceanographic work being done by the United States. Includes footage of Sea Laboratory 2.  
From the REPORT FROM AMERICA series.

**MAN IN THE SEA - STORY OF SEA LAB 2**

28 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10100R  
Title No. 002337 Sale \$94.50  
Describes Sea Lab II experiment, under-water photography inside Sea Lab and in the sea around the vehicle.  
Cleared for TV.

**MAN OR WOMAN FOR THE JOB, THE**

15 min, 16mm film, optical sd, col  
Producer USSBA  
Title No. 002338 Rental \$10.00 Sale \$48.50  
Points out the importance of effective employee recruitment and selection procedures through the experiences of a small print shop owner who learned the hard way that such procedures are necessary. Brief vignettes of other types of business reflect various sources of employees.

**MAN WITH THE TORQUE WRENCH, THE**

10 min, 16mm film, optical sd, b&w 1958  
Producer USAF Agency No. TF01-5214  
Title No. 503230 Sale \$17.50  
Demonstrates proper use of torquing equipment, emphasizes the importance of torquing and the serious consequences that may result from improper torquing, and shows different types of torque wrenches used by the Air Force.

**\*MAN'S REACH SHOULD EXCEED HIS GRASP, A**

24 min, 16mm film, optical sd, col 1972  
Producer USNASA Agency No. HQ 219  
Title No. 002124 Sale \$99.75  
Presents the story of flight and of man's reach for a new freedom through aviation and the exploration of space. From the Wright brothers' flight at Kitty Hawk to the landing on the Moon and future missions to the planets, the film depicts the fulfillment of the ancient dream of flight. Through the use of multiple images, the creative role of research is emphasized. Voices of scientists and statements by writers, poets and philosophers document man's search for knowledge. Narrated by Burgess Meredith.

**\*MAN'S SHORTCOMINGS**

13 min, 16mm film, optical sd, col 1969  
Producer USBM  
Title No. 003533 Sale \$50.50  
Dramatically enacted scenes show how man's personality quirks may endanger his and other workers' safety suggestions are given to avoid or change this mental attitude and prevent these nonsensical actions.

From the FOREMANSHIP TRAINING series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4900 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**MANAGEMENT CONCEPTS FOR DEPOT MAINTENANCE**

32 min, 16mm film, optical sd, b&w 1963  
Producer USAF Agency No. FTA 0577  
Title No. 503555 Sale \$55.25  
Describes four major systems in USAF maintenance management structure and outlines their functions in supporting operation of depot maintenance shops. Directs attention to reports, summaries, and shows how these devices are used to control labor, production, and cost.  
Cleared for TV.

**MANAGEMENT IMPROVEMENT - IT'S YOUR BUSINESS**

26 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN05725  
Title No. 503557 Sale \$88.00  
Shows through the use of animation, that good management means effective use of men, money, materials, and facilities.

**MANAGEMENT OF CARCINOMA OF THE UTERINE CERVIX**

90 min, 16mm film, optical sd, b&w 1967  
Producer USNMAC Agency No. T-1974-X  
Title No. 002339 Sale \$173.75  
Discusses several approaches to the problem of management of carcinoma of the uterine cervix, as presented to the 1967 American Radium Society meeting in Toronto, Canada. (Kinescope)

**MANAGEMENT OF HEMOSTATIC PROBLEMS**

90 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1870-X  
Title No. 002340 Sale \$188.50  
Reviews the pathophysiology of hemostasis and coagulation. Discusses emergency bleeding problems, diagnosis and management of hemorrhage in an anticoagulated patient, bleeding problems of the hemophilioid, and platelet disorders. (Kinescope)

**MANAGEMENT OF THE LEPROSY PATIENT**

19 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-0392  
Title No. 002702 Sale \$65.00  
Discusses the work of the Public Health Service Hospital at Carville, LA., in treating and rehabilitating leprosy patients. Shows effectiveness of the sulfone drugs which are the principal agents of treatment today.

**MANAGEMENT OF THE TUBEROUS AREA IN PERIODONTICS**

12 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-84-PE  
Title No. 002342 Sale \$41.50  
Demonstrates the use of an internal beveled flap procedure in the treatment of an infrabony pocket involving a maxillary molar. Bony contouring creates physiologic architecture. The rationale of this procedure is explained and postoperative results are shown.

**\*MANAGEMENT'S ROLE IN HEALTH AND SAFETY**

15 min, 16mm film, optical sd, col 1972  
Producer USBM  
Title No. 003552 Sale \$60.00  
Defines management's responsibility for the health and safety of the men working in our nation's mines. Points out various environmental health problems, safety hazards, and offers possible solutions, with emphasis on effective safety training.  
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4900 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**MANSON'S BLOOD FLUKE**

16 min, 16mm film, optical sd, b&w 1948  
Producer USNMAC Agency No. 04-00034  
Title No. 504345 Sale \$26.50  
Demonstrates stages 1 life cycle of schistosoma mansoni in secondary and primary hosts. Explains the biologic relationships between the biont 1 'l' and its hosts-man and snail

and discusses the pathology of manson's schistomiasis in man. Primarily animation photomicrography.

#### MANUAL CUTTING A BEVEL - FREEHAND

13 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 187  
Title No. 504350 Sale \$23.75

Shows how to select a tip for bevel cutting, clean a tip, adjust oxygen and acetylene pressure for bevel cutting and cut a bevel with minimum drag.

From the WELDING PROCEDURES series. Oxygen Cutting, No. 2

#### MANUAL CUTTING A SHAPE - FREEHAND GUIDED

16 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 188  
Title No. 504351 Rental \$7.50 Sale \$28.50

Shows how to make plywood template for cutting, make a tip guide device, position a template for cutting, use the guide device and use a circle cutting device.

From the WELDING PROCEDURES series. Oxygen Cutting, No. 3

#### MANUAL CUTTING TO A LINE - FREEHAND

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 186  
Title No. 504400 Rental \$7.50 Sale \$37.00

Shows how to assemble an oxyacetylene cutting outfit, select proper cutting tip, adjust oxygen and acetylene delivery pressures, adjust the preheating cutting flames, make a 90 degree free-hand cut and disassemble the cutting outfit.

From the WELDING PROCEDURES series. Oxygen Cutting, No. 1

#### MANY FACES OF ARGONNE, THE

60 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 002343 Sale \$185.00

Surveys the multi-activities conducted by the Argonne National Laboratory. Discusses the work of the CP-5 Reactor, the Experimental Breeder Reactor II, and the Zero Gradient Synchrotron Accelerator. Gives information on methods of protecting atomic scientists from radiation. Describes a wide range of experimental studies, including studies of the effects of radiation, studies of neonatal death rates, studies of leukemia, and color center studies on the structure of crystals.

#### \* MARGARINE DISEASE, THE

12 min, 16mm film, optical sd, col 1962  
Producer ILDS  
Title No. 004344 Sale: W/DRAWN

Shows clinical pictures, epidermic findings in relation to the ingestion of a chemical, and measures which led to the discovery of the probable cause of this unusual disease.

#### \* MARIJUANA

5 min, 16mm film, optical sd, col 1971  
Producer USNIMH  
Title No. 002125 Rental \$7.50 Sale \$18.25

Explains sources and effects on the individual personality, admitting that science has not yet fully researched this drug. From the SINGLE CONCEPT DRUG FILMS series.

#### OTHER FORMATS OR VERSIONS

24 min, audiotape cassette, 2-track, monaural  
Producer USNIMH  
Title No. 002126

#### MARIJUANA, LSD AND THE MIND - A DILEMMA FOR MEDICINE AND SOCIETY

90 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1878-X  
Title No. 002344 Sale \$187.00

Analyzes psychopharmacology by a panel discussion of drugs from different standpoints, including--who takes them and why, and some philosophical observations, perturbations, and possible therapeutic uses. Points out that even those drugs such as marijuana and LSD are poorly understood and widely feared. States that problems of research and control will increase, as will public concern. (Kinescope)

#### \* MARINE CORPS JUNIOR ROTC

20 min, 16mm film, optical sd, col 1972  
Producer USN Agency No. MN-10940  
Title No. 002127 Sale \$81.75  
Shows how the students, in uniforms, participate in drill team and drum and bugle corps activities, sanctioned rifle matches and other appropriate activities.

#### MARINE DIESEL ENGINES FOR POWER BOATS

16 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN00047  
Title No. 002345 Sale \$28.50  
Explains the mechanical operation of the DB, and its points of difference from the DD.

#### MARINE GAS TURBINE ENGINES - PRINCIPLES OF OPERATION

19 min, 16mm film, optical sd, col 1952  
Producer USN Agency No. MN07407A  
Title No. 002348 Sale \$65.00  
Explains the basic principle of the gas turbine engine, variations in the design of turbines currently in use, and the application of the gas turbine in the operation of pumps, boats, trucks, and helicopters.

#### MARINE GAS TURBINE ENGINES - THE BOLAR T-45 ENGINE

23 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. MN07407C  
Title No. 002347 Sale \$78.25  
Discusses the basic concepts behind the gas turbine engine, its assembly and operation, unit accessories and how to operate the unit.

#### MARINE GAS-TURBINE ENGINE - TROUBLE SHOOTING

16 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN07407B  
Title No. 002348 Sale \$55.00  
Describes the general procedure for locating the cause of trouble when a gas-turbine engine fails to start, to attain power, to keep oil pressure, or to maintain performance.

#### \* MARINER/MARS, 1969

28 min, 16mm film, optical sd, col 1971  
Producer USNAS Agency No. HQ 208  
Title No. 508877 Sale \$87.50  
Reviews the principal features of Mars that were known prior to 1969 and those that were determined by the two Mariner spacecraft that passed close by in 1969. Numerous photographs of the Martian Surface are incorporated.

#### MARINES, 1965

15 min, 16mm film, optical sd, col 1965  
Producer USMC Agency No. MH10354  
Title No. 002349 Sale \$62.25  
Highlights Marine Corps activities during 1965, including battle operations and civic action in the Dominican Republic and Vietnam.

#### \* MARK OF QUALITY

13 min, 16mm film, optical sd, col 1968  
Producer USDA Agency No. 5742  
Title No. 004542 Sale \$69.00  
Explains the process of grading meat in order to help the housewife decide which cuts to purchase.

#### \* MARK WATERS STORY, THE

26 min, 16mm film, optical sd, col 1969  
Producer USNMAC  
Title No. 507400 Sale \$103.00  
Depicts the true story of a man dying of lung cancer who writes his own obituary. Directed by and starring Richard Boone.  
CLEANED FOR TV.

#### \* MARKET CATTLE TESTING FOR BRUCELLOSIS

11 min, 16mm film, optical sd, col 1962  
Producer USDA Agency No. 3078  
Title No. 003970 Sale \$50.00  
A description of the Market Cattle Testing Program in the language of the cattlemen. Discussion by two cattlemen points out that MCT is the useful method for initially certifying

and re-certifying 'modified certified brucellosis areas' and that the program makes on-the-ranch testing unnecessary in 95 percent of the herds of cattle.

#### \*MARKETING RESEARCH PAYS OFF

13 min, 16mm film, optical sd, col 1959  
Producer USDA Agency No. 1408  
Title No. 003971 Sale \$59.00

Agricultural research saves many millions of dollars a year in costs of marketing farm products. Shows USDA scientists at work improving marketing methods, reducing processing and handling costs, expanding markets for farm products, and providing a better living for Americans. Resulting savings are many times the cost of the entire research program.

#### MARSUPIALIZATION OF A HYDATID CYST OF ECHINOCOCUS GRANULOSIS IN THE LIVER

14 min, 16mm film, optical sd, col 1963  
Producer USNMAC Agency No. M-0627  
Title No. 002350 Sale \$48.50

Demonstrates the serologic and radiologic findings confirming the diagnosis of hydatid cyst in a 21-year-old white male.

#### MARSUPIALIZATION OF AN ANTERIOR MAXILLARY CYST

7 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-087  
Title No. 002351 Sale \$29.75

Illustrates a surgical technique for the marsupialization of a maxillary cyst. Explains the advantages and indications for this procedure. Uses drawings and radiographs for clarification.

#### MARTIAN INVESTIGATORS, THE

28 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 195  
Title No. 002352 Sale \$115.50

Shows reactions of scientists to man's first close-up pictures of the planet Mars. Summarizes the principal results of the Mariner 6 and 7 observations of Martian craters and polar ice cap as the twin spacecraft passed within 2,000 miles of the planet in 1969.

#### MASK, THE

33 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. MIS-0874  
Title No. 508450 Sale \$56.75

Inform the police that alcohol may mask symptoms of both physical and mental disorders and suggests a system of observation that begins when a person is first seen by the police. It emphasizes the significance of alcoholism as a problem and stresses the increasingly humanitarian role of the police.

#### MASSETER, TEMPORAL MUSCLES AND TEMPORAL FASCIA

64 min, 16mm film, optical sd, col 1959  
Producer USVA  
Title No. 004345 Sale: W/DRAWN

Demonstrates, on a cadaver, an anatomical dissection of the head and neck, the temporomandibular joint, masticatory muscles, deep spaces of the face, and the third division of the trigeminal nerve.

#### MASTERY OF SPACE, THE

58 min, 16mm film, optical sd, col 1962  
Producer USNASA Agency No. HQ 009  
Title No. 002353 Sale \$240.00

Traces the development of Project Mercury and documents the sub-orbital flight of Freedom 7 as well as the orbital flight of Friendship 7 on February 20, 1962. Project Gemini, Apollo and the Saturn booster are also briefly discussed.

#### \*MATERIAL HANDLING IN AAF DEPOTS

25 min, 16mm film, optical sd, b&w 1943  
Producer USAF Agency No. TF-1-4126  
Title No. 003107 Rental \$10.00 Sale: W/DRAWN

Shows and explains methods of handling and moving material in USAF storage depots.

#### MATERIAL HANDLING PRINCIPLES IN TRANSPORTATION

20 min, 16mm film, optical sd, b&w 1960  
Producer USAF Agency No. SFF 1017  
Title No. 509187 Rental \$7.50 Sale \$35.25  
Shows the waste of money, time and man-hours when material handling and loading practices are faulty. Demonstrates, from shipping to receiving, the right and wrong ways to handle military cargo. Emphasizes the importance of using the right equipment to transport items.

#### MATERIALS HANDLING EQUIPMENT OPERATION GANTRY TRUCK AND WAREHOUSE CRANES

21 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN 7285-B  
Title No. 002354 Sale \$37.00  
Shows the uses and operations of gantry truck and warehouse cranes, and discusses safety precautions.

#### \*MATERNITY CARE - LABOR AND DELIVERY

37 min, 16mm film, optical sd, col 1964  
Producer USN Agency No. MN09538D  
Title No. 002355 Sale \$124.00  
Explains events which occur during labor and delivery and helps pregnant women understand ways in which they can contribute to their own comfort and the baby's safety. Attempts to minimize the apprehension and groundless fears of primiparas. Explains the difference between false and true labor, what happens to the cervix and uterus, and common signs for the start of labor.

#### MATHEMATICS - UNENDING SEARCH FOR EXCELLENCE

28 min, 16mm film, optical sd, b&w 1963  
Producer USOE Agency No. OE 501  
Title No. 002356 Rental \$10.00 Sale \$48.75  
Demonstrates a variety of new media being used to improve mathematics instruction in elementary and secondary schools.

#### MATHEMATICS THROUGH DISCOVERY

25 min, 16mm film, optical sd, b&w 1963  
Producer USOE Agency No. OE 500  
Title No. 002357 Rental \$10.00 Sale \$43.75  
Shows how skilled instructors use a 'learner discovery' method in teaching new concepts in mathematics at elementary and secondary school levels.

#### MATTER OF PERSPECTIVE, A

8 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-0894  
Title No. 509890 Sale \$27.75  
Shows a problematical situation intended as a stimulus to guide group discussion. Describes a young mother's difficulty in having her children vaccinated at a county clinic.

#### MATTER OF PROTECTION, A

28 min, 16mm film, optical sd, col 1963  
Producer USNMAC Agency No. MIS-0744  
Title No. 002358 Sale \$94.50  
Shows how to answer pertinent questions about epidemics, and show the nation's health is protected. It shows how the Service seeks causes and cures of disease, and how the Public Health Service, working with many professional allies, helps advance the health of 180 million Americans.

#### \*MEANWHILE BACK ON EARTH

14 min, 16mm film, optical sd, col 1972  
Producer USNASA Agency No. HQ 225  
Title No. 002128 Sale \$60.00  
Illustrates impact on the design field in such applications as automobile suspension systems, large coliseum domes, antenna towers, helicopters, electric power plants, paper pulp making, railbeds and skyscrapers.

#### MEASUREMENT WITH LIGHT WAVES

15 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 174  
Title No. 002359 Rental \$7.50 Sale \$27.00  
Shows principles of measurement with light waves, nature of light waves, cause of interference bands and use of these bands in ultra-precision measurement, and procedures used in gage block inspection.

From the ENGINEERING series.

\*MEASURING HEARING

11 min, 16mm film, optical sd, col

Producer USBEM

Title No. 000343

Sale \$44.75

Procedures employed in measuring the capacity of the auditory system of the learning impaired child vary according to the age of the child, the stimulus presented and the response anticipated. Several evaluation techniques are herein presented.

MEASURING PIPE, TUBING AND FITTINGS

15 min, 16mm film, optical sd, b&w

1944

Producer USOE

Title No. 512400

Agency No. QE 105

Sale \$32.50

Explains how to identify types of pipe, tubing and fittings, use basic measuring tools, measure pipe for offsets and make allowances for fittings and offsets in measuring pipe.

From the SHIPBUILDING SKILLS series. Pipefitting, No. 1

MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - AUTOMATIC TYPER SELECTING

11 min, 16mm film, optical sd, b&w

1954

Producer USN

Agency No. MN 09237B

Title No. 513100

Sale \$24.50

FULL TITLE--(MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - AUTOMATIC TYPER SELECTING MECHANISM. Shows the chain of action in the automatic typer of the Model 28 Teletypewriter (tt-47a/ug) from the signal generator to and through the selecting mechanism that operates the code bars.

CLEARED FOR TV.

MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - FUNCTION MECHANISM

11 min, 16mm film, optical sd, b&w

1954

Producer USN

Agency No. MN 09237D

Title No. 513101

Sale \$21.75

Shows the mechanical chain of action in the function mechanism of the Model 28 Teletypewriter (tt-47a/ug). Emphasizes the operation of the function clutch as opposed the main shaft clutch.

MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER - KEYBOARD TRANSMITTING MECHANISM

13 min, 16mm film, optical sd, b&w

1954

Producer USN

Agency No. MN 09237A

Title No. 002360

Sale \$27.50

Shows the mechanical operation of the keyboard transmitting mechanism of the Model 28 Teletypewriter (tt-47a/ug). Traces the action from the key punched to the signal generator and explains each part in the chain between keyboard and generator.

MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER-TYPE BOX POSITIONING MECHANISM

20 min, 16mm film, optical sd, b&w

1954

Producer USN

Agency No. MN 09237C

Title No. 513103

Sale \$39.75

Shows by means of close live photography the chain of action of the mechanical levers that position the type box of the Model 28 Teletypewriter (tt-47a/ug) in the proper position so that the letter or figure key that is punched may be printed.

MECHANICAL PACKING ABOARD SHIP

30 min, 16mm film, optical sd, b&w

1945

Producer USN

Agency No. MN 02505

Title No. 002361

Sale \$52.00

Demonstrates how to pack a spiral wound gasket and a steam reciprocating pump rod, re-pack a centrifugal part, and replace packing around a condenser tube.

MECHANICAL PREPARATION OF THE ROOT CANAL

16 min, 16mm film, optical sd, col

Agency No. D-15-E

Producer USVA

Sale: W/DRAWN

Title No. 002362

Illustrates debridement, enlarging, irrigation, and chemical disinfection. Emphasizes the aseptic precautions to be taken

in strict bacterial culture control. Presents close-ups of important detailed action in each of the steps listed above.

MECHANICAL REFRIGERATION - HOW IT WORKS

22 min, 16mm film, optical sd, b&w

1944

Producer USN

Agency No. MN 02246A

Title No. 002363

Sale \$38.50

Explains the function, theory, and operation of a refrigeration system.

MECHANISMS OF THE INTRINSIC MUSCLES OF THE LARYNX

25 min, 16mm film, optical sd, col

1965

Producer USNMAC

Agency No. M-899

Title No. 002364

Sale \$84.75

Demonstrates the cartilaginous and musculature anatomy of the human larynx. Demonstrates the functions of the muscles during speech, breathing, etc.

\*MECHANIZED TRAIL EQUIPMENT

28 min, 16mm film, optical sd, col

1958

Producer USDA

Agency No. 1373

Title No. 513535

Sale \$127.00

Demonstrates the safe and proper operation of mechanized trail grades and winches. This equipment is especially developed for forest trail construction and maintenance.

MEDAL OF HONOR - A TEAM MAN

5 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544G

Title No. 513553

Sale \$9.25

Cites Forrest Vosler for bravery and self-sacrifice while serving as a radio operator-air gunner on a mission over Bremen, Germany, in 1943.

CLEARED FOR TV.

MEDAL OF HONOR - ACE OF ACES

5 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544A

Title No. 513555

Sale \$9.25

Cites Captain Eddie Rickenbacker for his heroism as a World War I fighter pilot.

CLEARED FOR TV.

MEDAL OF HONOR - BURNING PLOESTI OIL

7 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544C

Title No. 513559

Sale \$12.50

Cites Col John Krane and Col Leon Johnson for bravery in Ploesti oil raids.

CLEARED FOR TV.

MEDAL OF HONOR - HEADING HOME

5 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544L

Title No. 513561

Sale \$9.25

Cites Captain William R Lawley for heroism and exceptional flying skill on a heavy bombardment mission over enemy occupied Europe.

CLEARED FOR TV.

MEDAL OF HONOR - ONE MAN AIR FORCE

7 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544H

Title No. 513563

Sale \$12.50

Cites Col James H Howard for his valor as a World War II fighter pilot.

CLEARED FOR TV.

MEDAL OF HONOR - ONLY A FEW RETURNED

5 min, 16mm film, optical sd, b&w

1967

Producer USAF

Agency No. SFP 1544N

Title No. 513565

Sale \$9.25

Cites Sgt Maynard Smith for his fearlessness as World War II B-17 gunner.

CLEARED FOR TV.

<b>MEDAL OF HONOR - PACIFIC ACE</b>		<b>* MEDICAL FACTS FOR PILOTS</b>
5 min, 16mm film, optical sd, b&w Producer USAF Title No. 513567 Cites Maj Richard Bong for bringing down over 40 enemy aircraft. Cleared for TV.	1967 Agency No. SFP 1544D Sale \$9.25	25 min, 16mm film, optical sd, col Producer USFAA Title No. 002129 Directed particularly to beginning pilots, this film provides a look at some of the fundamental physical, physiological, and psychological limitations in flight. It alerts pilots to such aeromedical factors as disorientation, the effect of alcohol, oxygen requirements, and pilot vision.
<b>MEDAL OF HONOR - SEVEN DOWN</b>	1967	<b>MEDICAL RESEARCH REACTOR</b>
5 min, 16mm film, optical sd, b&w Producer USAF Title No. 513569 Cites Maj William Shomo for downing seven World War II enemy aircraft. Cleared for TV.	Agency No. SFP 1544J Sale \$9.25	22 min, 16mm film, optical sd, col Producer USAEC Title No. 002370 Sale \$92.50
<b>MEDAL OF HONOR - TRIAL BY FIRE</b>	1967	Demonstrates the need for reactors in medical research and defines the design criteria. Shows the reactor and its components during construction and assembly. Uses animation to show the operation of the reactor and shutters controlling its neutron beams. Includes a neutron-capture therapy experiment sequence at the Brookhaven Graphite Reactor which can be compared with the patient treatment facility at the New Medical Reactor.
4 min, 16mm film, optical sd, b&w Producer USAF Title No. 513571 Pays tribute to SGT Edward Erwin who ditched an ignited phosphorous bomb from his aircraft during a World War II raid over enemy territory. Cleared for TV.	Agency No. SFP 1544K Sale \$7.75	<b>MEDICAL SCHOOL AND THE COMMUNITY, THE - HOW ARE THEY RELATED</b>
<b>MEDAL OF HONOR - WITH ONE HAND</b>	1967	29 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002371 Reviews and elaborates upon two basic viewpoints that the commitment is necessary to the resolution of medical care problems which face the community, and that good medical care depends upon the further development of excellence at the medical school level. (Kinescope)
4 min, 16mm film, optical sd, b&w Producer USAF Title No. 513575 Cites Lt John C Morgan who single-handedly guided his plane to target during a World War II raid over Europe. Cleared for TV.	Agency No. SFP 1544F Sale \$7.75	From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.
<b>MEDICAL AND SURGICAL TREATMENT OF VALVULAR HEART DISEASE, THE</b>	1968	<b>MEDICAL SUPPLY SYSTEM, U S ARMY, PT 2, OPERATIONS AT CONUS AND OVERSEAS INSTALLATIONS</b>
90 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002365 Discusses various types of acquired valvular cardiac defects including clinical and hemodynamic assessment, indications for, and results of surgery. Discussing the topic are doctors Roman M Desanctis, W Gerald Austen, Charles A Sanders, and Peter M Yurchak of the Harvard Medical School. (Kinescope)	Agency No. T-1867-X Sale \$192.50	22 min, 16mm film, optical sd, b&w Producer USA Title No. 002536 Demonstrates Medical Supply operations at a typical depot in CONUS (FT. Knox).
<b>MEDICAL ASPECTS OF DIVING, PT 1, THE MECHANICAL EFFECTS OF PRESSURE</b>	1962	<b>MEDICAL SUPPLY, U S ARMY, PT 1, ORGANIZATION AND ADMINISTRATION</b>
30 min, 16mm film, optical sd, col Producer USN Title No. 002366 Explains how underwater swimmers and divers can prevent harm to themselves by avoiding the application of unequal pressures from the air and the water. Cleared for TV.	Agency No. MN08749A Sale \$101.00	24 min, 16mm film, optical sd, b&w Producer USA Title No. 02373 Describes the mission and operational relationship of the major organizations within the Medical Supply system.
<b>MEDICAL ASPECTS OF DIVING, PT 2, EFFECTS OF ELEVATED PARTIAL PRESSURE OF GASES</b>	1962	<b>MEDICARE</b>
28 min, 16mm film, optical sd, col Producer USN Title No. 002387 Explains how the body is affected by what you breathe and the pressure at which you breathe it.	Agency No. MN08749B Sale \$94.50	10 min, 16mm film, optical sd, col Producer USSSA Title No. 004346 Animated in filmograph style, using words and symbols to explain the Health Insurance Program.
<b>MEDICAL ASPECTS OF NUCLEAR RADIATION</b>	1951	<b>MEDLARS</b>
20 min, 16mm film, optical sd, col Producer USA Title No. 002368 Explains effects of radiation upon the human body, internal and external radiation hazards, and the relative gravity of the hazards of nuclear radiation, blast, and heat.	Agency No. MF08-7897 Sale \$115.75	24 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002374 An orientation film on the new medical literature and retrieval system located at the National Library of Medicine.
<b>MEDICAL EFFECTS OF THE ATOMIC BOMB, PT 1, PHYSICS, PHYSICAL DESTRUCTION, CASUALTY EFFECTS</b>	1950	<b>MEET MR NOISE</b>
32 min, 16mm film, optical sd, col Producer USA Title No. 002369 Gives an explanation of nuclear physics, fission and general reaction, thermal energy and mechanical force, nuclear radiation and ionizing effects. Portrays the physical destruction and casualty effects of atomic bombing.	Agency No. PMF 5058 Sale \$107.50	26 min, 16mm film, optical sd, col Producer USAF Title No. 002375 Points out hazards of working in an area of vibration and noise. Shows how noise of heightened intensity can impair hearing and general health. Demonstrates how properly fitted protective devices worn by personnel reduces adverse effects of noise.
<b>MEETING AT NIGHT</b>	1943	<b>MEETING AT NIGHT</b>
INDICATES NEW ENTRY		20 min, 16mm film, optical sd, col Producer USN Title No. 002376 Shows five basic meeting situations and the proper night

whistle signals on the ocean, in inland waters, and in narrow channels. Explains the causes of head-on collisions, and shows emergency action signals.

#### MEETING GROUND, THE

15 min, 16mm film, optical sd, col 1969  
Producer USMC Agency No. MH10551  
Title No. 002377 Sale \$60.00  
Shows the recruiting of prior-service Marines for enlistment in the organized Marine Corps Reserve.

#### \*MEETING IN SPACE

14 min, 16mm film, optical sd, col 1966  
Producer USIA Agency No. 01-02674  
Title No. 004347 Rental: W/DRAWN Sale: W/DRAWN  
Captures the drama and excitement of the longest manned space flight and the Gemini VII/VI rendezvous in December, 1965. Documents the events during which Astronauts Borman and Lovell, and Schirra and Stafford proved that man can survive 14 days in space, perform specific tasks and return home in good physical shape.

#### MEETING STEAM VESSELS

18 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00202K  
Title No. 002378 Sale \$32.00  
Gives examples of steam vessels meeting on the ocean and in inland waters. Demonstrates whistle signals for various situations and shows how to figure the degree of a vessel's turn at various distances.

#### \*MEETING, THE

30 min, 16mm film, optical sd, col 1971  
Producer USNIMH  
Title No. 002130 Rental \$12.50 Sale \$42.50  
Demonstrates activities of the police in the drug abuse as presented to the teacher. Shows the ramifications of reporting a drug used to the police and the alternative courses open to law enforcement agencies. Explains the importance for the teacher to know how police are treating young people and how, in turn, students feel about the police.  
From the SOCIAL SEMINAR series.

#### MEMORANDUM ON SECURITY

9 min, 16mm film, optical sd, col 1959  
Producer USDOD Agency No. DOD -S 02  
Title No. 002379 Sale \$31.00  
Shows research activity being carried on in various universities, research centers, and industrial laboratories for the Department of Defense, and explains the purpose of security regulations and procedures required to enforce them.

#### MEMORANDUM TO INDUSTRY

31 min, 16mm film, optical sd, col 1966  
Producer USOCD Agency No. DODCD20-243  
Title No. 002380 Sale \$104.25  
Shows not only what industry should do, but what industry is doing in planning its civil defense preparations. You learn what various industries have accomplished to provide fallout shelter for employees and the public, to assure continuity of company management in the event of an attack on the United States.  
Cleared for TV.

#### \*MEMPHIS BELLE

43 min, 16mm film, optical sd, col 1944  
Producer USAF Agency No. SFP-114  
Title No. 002131 Sale \$183.50  
Portrays a B-17 named Memphis Belle on a bombing mission over Germany during World War II. Includes preparations for the raid, the take-off from England, bombing the submarine base and the return to base.

#### MEN ENCOUNTER MARS

29 min, 16mm film, optical sd, b&w 1965  
Producer USNASA Agency No. HQ 149  
Title No. 002381 Sale \$54.50  
Documents work of the engineers and scientists who planned and directed the complex mission of Mariner 6 to photograph the Martian surface.

#### \*MEN OF THE SEA

28 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10389  
Title No. 516450 Sale \$113.50  
Portrays the story of Navy combat art.

#### \*MEN WHO CARE

11 min, 16mm film, optical sd, b&w 1965  
Producer USIA Agency No. 01-02650  
Title No. 004348 Rental: W/DRAWN Sale: W/DRAWN  
Demonstrates the humane, social aspects of medicine in the United States, and shows the extent and variety of health care and preventive measures in public health. Emphasizes the understanding for the patient in medical practice and scientific experimentation.

#### MEN WHO FISH

30 min, 16mm film, optical sd, b&w 1950  
Producer USIA  
Title No. 004349 Rental: W/DRAWN Sale: W/DRAWN  
Shows how a fishing cooperative association in Japan established since World War II is gradually improving living conditions of the fishermen of Japan.

#### MEN WITH GREEN FACES

29 min, 16mm film, optical sd, col 1969  
Producer USN Agency No. MN10585  
Title No. 002382 Sale \$115.50  
Shows functions and a cross section of life of the Navy's frogmen commandos, the Seals. From the excitement of parachute jump training, to the quiet of jungle patrols.

#### MEN WITH WINGS

14 min, 16mm film, optical sd, b&w 1963  
Producer USDOD Agency No. AFMR 0620  
Title No. 516470 Sale \$25.00  
Pictures the courage and achievements of pilots whose efforts over the last half century have given aviation a rich heritage. Depicts the rise of airpower brought about by heroism of fighter pilots and bomber crews in World War I and II and the Korean conflict that marked the beginning of the Jet Age.

#### \*MEN, WOMEN AND CHILDREN

27 min, 16mm film, optical sd, col 1954  
Producer USDA Agency No. 1192  
Title No. 003973 Sale \$124.00  
Shows how the everyday unsafe habits of kindly people can cause devastating forest fires through negligence and thoughtlessness. They 'didn't mean to start a forest fire.' Safe habits in the forest are emphasized.

#### \*MENTAL RETARDATION PLUS - THE TWICE AFFLICTED

20 min, 16mm film, optical sd, col  
Producer USDHEW  
Title No. 000317 Sale \$81.75  
This film focuses on mobility, sight and communication disorders among the profoundly retarded and on beginning efforts of institutions to assess, educate and train this population.

#### MENTAL STATUS EXAMINATION, THE

34 min, 16mm film, optical sd, b&w 1962  
Producer USNMAC Agency No. M-0561  
Title No. 002325 Sale \$58.75  
Demonstrates good techniques of initial or mental status interviews in psychiatric practice. It also shows how information pertaining to behavior and appearance, intelligence, emotions, and perceptions obtained in such interviews is compiled and analyzed to form the basis for subsequent psychiatric treatment.

#### MERCHANT MARINE SAFETY

28 min, 16mm film, optical sd, col 1962  
Producer USCG  
Title No. 925516 Sale \$102.00  
The responsibilities of the Coast Guard in Merchant Marine Safety are clearly defined in this film--inspection and approval of blueprints for vessel construction, safety requirements for construction and equipment for vessels, annual or periodic inspections, licensing and certification of officers and crews of vessels, various types of vessels with which the

coast guard is concerned. In addition to equipment tests, fire drills, etc., a board of investigation is shown.

#### METAL CUTTING CHISELS, PT VI

5 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 07831  
Title No. 517420 Sale \$9.25

Describes the correct uses of the cold chisel, cape Chisel, diamond point, and half-round chisel, and advection fog, ground fog and low ceiling clouds. explains their cutting action and how they are sharpened.

#### METEOROLOGY - FOG AND LOW CEILING CLOUDS

23 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09487B  
Title No. 002383 Sale \$78.25

Describes theory of fog formation. Illustrates  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY. CLEARED FOR TV.

#### METEOROLOGY - ICE FORMATION ON AIRCRAFT

21 min, 16mm film, optical sd, b&w 1960  
Producer USN Agency No. MN 9487A  
Title No. 002386 Sale \$37.00

How structural ice interferes with normal flight procedures and how the hazard can be reduced.

#### METEOROLOGY - THE COLD FRONT

14 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09487D  
Title No. 002384 Sale \$48.50

Shows formation characteristics and flight hazards of cold fronts. Tells how to fly cold front weather with maximum safety.

#### METEOROLOGY - THE WARM FRONT

17 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09487E  
Title No. 002385 Sale \$58.50

Depicts formation characteristics and dangers of warm fronts and how to recognize and combat the flight problems involved.

CLEARED FOR TV.

#### \*METEOROLOGY FROM SPACE

22 ft, 35mm filmstrip, 1/4 in. audiotape, col 1967  
Producer USNASA  
Title No. 002132 Sale \$10.00

Shows how Tiros photography of storm centers and cloud formation provides new knowledge about the weather.

#### \*METHADONE MAINTENANCE

22 min, audiotape cassette, 2-track, monaural 1972  
Producer USNIMH  
Title No. 002133

Available only as a series. Provides listeners with a useful understanding of the clinical picture of the addict undergoing a maintenance program and the positive and negative arguments relating to the legal system and the moral issues involved.

From the PROFESSIONAL DRUG TAPE series.

#### METHOD FOR RAPID ELECTROPHORESIS

11 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1015  
Title No. 002387 Sale \$37.25

Shows the electrophoretic apparatus, explains the functions of its parts and how to set up the machine. A typical 'run' is demonstrated, explaining the technique of applying serum samples to the membrane and the step-by-step procedure of clearing and staining the resulting image.

#### METHODS FOR COLLECTING CAPILLARY BLOOD FOR CLINICAL CHEMISTRY

7 min, 16mm film, optical sd, col 1952  
Producer USNMAC Agency No. M-1483  
Title No. 002388 Sale \$24.50

Demonstrates methods of collecting blood from infants and young children. Shows heel, finger, and toe stabs and collection by the Rasmussen blood collector, capillary tubes, filter paper, and unopette.

#### METHODS FOR OBTAINING ANAEROBIA

12 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0850  
Title No. 518230 Sale \$40.50  
Demonstrates use of the anaerobe jar for culturing organisms that require an oxygen-free environment.

#### METHODS FOR THE ISOLATION OF SALMONELLA FROM HUMAN FOOD AND ANIMAL FEEDS

12 min, 16mm film, optical sd, col 1963  
Producer USNMAC Agency No. M-0553  
Title No. 518225 Sale \$42.00  
Demonstrates techniques for the isolation and screening of salmonella from foodstuffs. Credits--technical adviser, Mildred M. Galton, SC, M.

#### METHODS OF PROCESSING PLASTICS MATERIALS

25 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 467  
Title No. 518300 Rental \$10.00 Sale \$43.75  
Discusses fundamentals of lamination and of the compression, transfer, extrusion and injection molding methods - shows how to finish molded parts from the plastics series No. 2.

#### MICRO-TECHNIQUES IN SEROLOGY

7 min, 16mm film, optical sd, col 1945  
Producer USNMAC Agency No. M-0859  
Title No. 002389 Sale \$26.00  
Demonstrates the use of micro-equipment for performing serologic titration tests. The method is economical of both reagents and time, since it enables one technologist to test 144 sera against three antigens in an eight hour day.

#### MICRODEFORMATION OF URANIUM

17 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002390 Sale \$86.00  
Pictures changes in the microstructure of uranium as a consequence of tensile loading and thermal treatment, showing studies accomplished by means of hot stage metallurgy. Includes formation of twin and kink bands, distortion at grain boundaries, fracturing, recrystallization, deformation due to thermal gradients, and microstructural changes associated with thermal cycling through the alpha-to-beta and the beta-to-gamma transformations.

#### MICROFILARIAE OF WUCHERERIA BANCROFTI

4 min, 16mm film, silent, col 1947  
Producer USNMAC Agency No. 04-00058  
Title No. 520755 Sale \$14.75  
Cinemicrography of activity of diurnally period microfilariae of wuchereria bancrofti from the blood of a soldier infected in the Society Islands. Recommended for professional use.

#### MICROMETER, THE

15 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 002  
Title No. 520800 Rental \$7.50 Sale \$27.00  
Explains the care, use and maintenance of micrometers. Shows various forms used to measure outside lengths, inside lengths and depths.  
From the MACHINE SHOP WORK series.

#### MICROMETER, THE (SPANISH)

15 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 002  
Title No. 002537 Rental \$7.50 Sale \$27.00  
Explains the care, use and maintenance of micrometers. Shows various forms used to measure outside lengths, inside lengths and depths.  
From the MACHINE SHOP WORK series.

#### MICROORGANISMS OF GAS GANGRENE

9 min, 16mm film, silent, col 1954  
Producer USNMAC Agency No. M-0154  
Title No. 521040 Sale \$31.00  
Shows species of clostridium causing gas gangrene, the morphological characteristics of these bacteria, and studies of the bacteria in various cultures.

#### \* MICROPHONE TECHNIQUES

3 min, 16mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003415 Sale \$26.50  
Sold only in a cartridge with auditory rhythm, auditory training discrimination and teacher talks to me. Presents short insights into home and school education of the profound hearing impaired.

#### MICROSCOPIC STUDY AND ISOLATION OF C DIPHTHERIAE

13 min, 16mm film, optical sd, b&w 1950  
Producer USNMAC Agency No. 04-00088  
Title No. 521400 Sale \$23.75  
Presents procedures for isolating pure cultures of corynebacterium diphtheriae from throat and nasal swabs of a patient with suspected diphtheria. Includes photomicrographs of organisms.

#### MICROWAVE OSCILLATORS, PT 1, REFLEX KLYSTRONS

20 min, 16mm film, optical sd, b&w 1965  
Producer USA Agency No. TF11-3548  
Title No. 002391 Sale \$35.25  
Describes the general characteristics, components and operation of reflex klystron tubes used as local oscillators in radar receiving systems.

#### MAILESTONES IN MISSILERY

10 min, 16mm film, optical sd, col 1961  
Producer USA Agency No. MF45-9529  
Title No. 002392 Sale \$34.00  
Describes outstanding milestones in missile development and testing accomplished at the White firings of the V2 rocket in 1945.

#### MILITARY IMMUNIZATION - SMALLPOX VACCINATION

10 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN08568B  
Title No. 002393 Sale \$43.75  
Depicts the procedures for smallpox vaccination and for observing and recording the effects of vaccination. Covers such items as storage and handling of the vaccine, cleaning of the vaccination site, use of the multiple pressure technique, and the recognition of primary, immediate, and accelerated reactions.  
CLEARED FOR TV.

#### \* MILITARY JUSTICE

94 min, 16mm film, optical sd, b&w 1954  
Producer USAF Agency No. TF-1-4890  
Title No. 003108 Rental \$15.00  
Presents a dramatic portrayal of general courtmartial procedures under the Uniform Code of Military Justice as established by Public Law 506.  
CLEARED FOR TV.

#### MILITARY MEDICINE

19 min, 16mm film, optical sd, b&w 1962  
Producer USDOD Agency No. AFIF 0117  
Title No. 002394 Rental \$7.50 Sale \$33.75  
Reports on military medicine reviewing the contributions of all the services in the past century. The story touches on the fight against yellow fever, schistosomiasis, malaria, and cholera. Shows resuscitation techniques, management of burn victims, and jet injection guns. Research goals and accomplishments in tissue grafting, nuclear medicine, submarine medicine, and aerospace medicine are described.

#### \* MILITARY POLICE OPERATION, PT 3 - MILITARY POLICE PATROL INVESTIGATIONS

28 min, 16mm film, optical sd, b&w 1971  
Producer USA Agency No. TF-19-4184  
Title No. 002135 Sale \$58.50  
Outlines the mission of the individual military policeman in patrol investigations - shows a patrol in action investigating an assault.

#### \* MILITARY POLICE TRAFFIC CONTROL, PT 4 TRAFFIC CONTROL RECONNAISSANCE

27 min, 16mm film, optical sd, col 1970  
Producer USA Agency No. TF-19-4091  
Title No. 002136 Sale \$109.50  
Depicts various aspects of traffic control reconnaissance under safe and occasional enemy action conditions.

#### MILITARY SATELLITE COMMUNICATIONS

25 min, 16mm film, optical sd, col 1966  
Producer USAF Agency No. SFP 1336  
Title No. 523139 Sale \$84.75  
Compares military advantages of satellite communications to conventional methods. Discusses various satellites and explains their operation characteristics, design factors and potential applications. Stresses need for continued research and development in satellite communications.  
CLEARED FOR TV.

#### MILITARY SEA TRANSPORTATION SERVICE, THE INTRODUCTION

19 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN07832A  
Title No. 523140 Sale \$33.75  
Explains the functions, organization, and operations of the military sea transportation and debarkation of troops and dependents, living conditions aboard ship, and the transportation of materials and equipment.

#### MILITARY SEA TRANSPORTATION SERVICE, THE TROOP TRANSPORTATION

20 min, 16mm film, optical sd, b&w 1955  
Producer USN Agency No. MN07832B  
Title No. 523141 Sale \$35.25  
Illustrates the problems and procedures involved in the formation, functions, and duties of the advance parties and voyage staffs aboard MSTS transports. Defines authority, zones of responsibility, and the proper administration of troops during embarkation, at sea, and during debarkation.

#### \* MILITARY SLINGEDOWING, PT 2 - SLINGS AND BRIDLES

20 min, 16mm film, optical sd, b&w 1971  
Producer USA Agency No. TF-55-7171  
Title No. 002137 Sale \$42.25  
Shows several types of slings and bridles and their uses - emphasizes the importance of using the right equipment for the job.

#### MILK AND PUBLIC HEALTH

12 min, 16mm film, optical sd, b&w 1951  
Producer USPHS Agency No. M-0007  
Title No. 523250 Sale \$22.25  
Points out the dangers of haphazard milk production, the resultant public health problem, and the need for regulatory legislation. Reviews the steps taken to insure healthy cows, sanitary equipment and supplies, and other hygienic methods throughout the production and processing of milk.

#### MILK AND PUBLIC HEALTH (SPANISH)

11 min, 16mm film, optical sd, b&w 1951  
Producer USNMAC Agency No. M-0007-SP  
Title No. 002538 Sale \$22.25  
Points out the dangers of haphazard milk production, the resultant public health problem, and the need for regulatory legislation. Reviews the steps taken to insure healthy cows, sanitary equipment and supplies, and other hygienic methods throughout the production and processing of milk.

#### MILLING A CIRCULAR T-SLOT

22 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 076  
Title No. 523500 Rental \$7.50 Sale \$38.50  
Shows how to mill a circular t-slot in solid metal, use a rotary table for continuous circular milling, use a two-flip end mill, end mill and t-slot cutter, and use a dial indicator with a test bar.  
From the MACHINE SHOP WORK series. Operations on the Vertical Milling Machine, No. 5

**MILLING A HELICAL CUTTER**

18 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 210  
 Title No. 523550 Rental \$10.00 Sale \$32.00  
 Shows how to mount arbor, cutter and arbor support, mount workpiece between centers, set dividing head for specified number of divisions, position workpiece for first cut, and rough- and finish-mill the workpiece.  
 From the *MACHINE SHOP WORK* series. Operations on the Milling Machine, No. 8

**MILLING A HELICAL GROOVE**

28 min, 16mm film, optical sd, b&w 1943  
 Producer USOE Agency No. OE 075  
 Title No. 523600 Rental \$10.00 Sale \$48.75  
 Explains how to mill a helical groove in a cylindrical shaft, how to select and set the machine gears for milling a helical groove with any lead and how to use the dividing head. Explains lead and backlash.  
 From the *MACHINE SHOP WORK* series. Operations on the Vertical Milling Machine, No. 4

**MILLING A TEMPLATE**

17 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 207  
 Title No. 523650 Rental \$7.50 Sale \$30.50  
 Shows how to mount the end mill in the milling machine spindle, position the table and workpiece in relation to the cutter, rough- and finish-mill the piece and check for finished dimensions.  
 From the *MACHINE SHOP WORK* series. Operations on the Milling Machine, No. 5

**MILLING MACHINE, THE**

8 min, 16mm film, optical sd, b&w 1941  
 Producer USOE Agency No. OE 011  
 Title No. 523700 Rental \$5.00 Sale \$14.25  
 Demonstrates a plain milling machine and shows the basic parts of the machine, names the various control levers and demonstrates the action of the table longitudinally, vertically and crosswise.

**OTHER FORMAT(S) OR VERSION(S)**

15 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 069  
 Title No. 523750 Rental \$7.50 Sale \$27.00

**MILLING MACHINE, THE (SPANISH)**

15 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 069  
 Title No. 006438 Rental \$7.50 Sale \$27.00  
 Explains the functions, characteristics and basic operations of the milling machine.

From the *MACHINE SHOP WORK* series. Basic Machines

**\* MINE RESCUE CONTEST TRAINING**

25 min, 16mm film, optical sd, col 1962  
 Producer USBM  
 Title No. 003536 Sale \$103.75  
 Photographs in 'action', going through a typical rescue/recovery problem, on a field course laid out to simulate a working section in an underground mine. Step-by-step procedures that are taken by each member of a team in an actual mine rescue situation are explicitly shown, and an explanation given for each action.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4600 FORGES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**\* MINING NOISE HAZARDS**

21 min, 16mm film, optical sd, col 1973  
 Producer USBM  
 Title No. 003551 Sale \$87.50  
 Designs to promote a general awareness of noise hazards in the coal mining industry. Defines the sound and its characteristics. Shows the actual underground mining scenes, on-the-job noise surveys, and laboratory tests and analysis.

\* INDICATES NEW ENTRY

Demonstrates the preventive methods along with various forms of engineering controls and protective devices.

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**MINUS THREE MILES**

7 min, 16mm film, optical sd, col 1969  
 Producer USNASA Agency No. AD 018  
 Title No. 002539 Sale \$30.75  
 Explains and illustrates the mobility concept of assembling a 36-story rocket and moving it to the launch area. Features the facilities used to support the concept.  
 From the *APOLLO DIGEST* series.

**MINUTE SAVED, THE**

29 min, 16mm film, optical sd, b&w 1967  
 Producer USA Agency No. TF46-3797  
 Title No. 724650 Sale \$50.25  
 Concerns the element of 'haste' which all too often acts as catalyst of destruction in aviation.

**MIRACIDIA OF SCHISTOSOMA JAPONICUM**

4 min, 16mm film, silent, col 1947  
 Producer USNMAC Agency No. 04-00060  
 Title No. 524690 Sale \$14.75  
 Explains cinemicrography of miracidia of schistosoma japonicum inside egg shell and free in fecal concentrate, showing absence of egg shell spine and activity of contained miracidia.  
 RECOMMENDED FOR PROFESSIONAL USE.

**MIRACLE IN THE DESERT**

19 min, 16mm film, optical sd, b&w 1964  
 Producer USIA Agency No. 01-02619  
 Title No. 004675 Rental: W/DRAWN Sale: W/DRAWN  
 Shows the participation of Mideast technicians in a U.S. training program concerned with methods for increasing agricultural and economic growth through the study of hydroelectric power plants and irrigation projects along the Colorado River.

**MIRACLE IN THE DESERT - THE STORY OF HANFORD**

29 min, 16mm film, optical sd, col 1966  
 Producer USAEC  
 Title No. 002540 Sale \$107.00  
 Tells the story of the development during World War II of the Hanford Engineer Works in southern Washington. Construction of the billion dollar plant was based on the discovery of a microscopic bit of the new element 94, Plutonium, in California by Dr. Glenn T. Seaborg, now Chairman of the AEC, and others, in 1941, and on the demonstration of the first successful nuclear chain reaction in Chicago by Dr. Enrico Fermi and others, in 1942.

**MIRACLE IN TONGA**

16 min, 16mm film, optical sd, col 1965  
 Producer USNMAC Agency No. M-0835  
 Title No. 524805 Sale \$55.00  
 Records the co-operative efforts of the Tongan Medical Department and the Communicable Disease Center to provide protection against smallpox for the Tongan people. A follow-up indicated that better than 98 per cent of the 44,000 Tongan's treated had successful vaccinations.

**\* MIRACLES FROM AGRICULTURE**

14 min, 16mm film, optical sd, col 1960  
 Producer USDA Agency No. 1511  
 Title No. 525125 Sale \$64.00  
 Tells the advances being made in agriculture through plant research and the improvement of processing, storing, transporting and merchandising methods for foods and other products.

<b>MIRROR OF AMERICA</b>			
36 min, 16mm film, optical sd, b&w Producer USGSA Title No. 525300	1964	Sale \$62.00	
Reflects the American way of life from 1914 to 1921, presenting a cross-section view of people and progress and picturing the daily activities, dress and habits of the people as they lived fifty years ago. Includes views of Presidents Wilson and Harding, Thomas Edison and Henry Ford. Footage taken from the Ford Film Collection in the National Archives.			
<b>MISSILE EXPLOSIVE DEVICE SAFETY</b>			
14 min, 16mm film, optical sd, col Producer USAF Title No. 002541	1961	Agency No. FTA 542 Sale \$48.50	
Demonstrates hazards involved when missile explosive devices are mishandled. Explains the purpose and nature of fuses, squibs, igniters, and initiators. Outlines safety procedures for handling, installing, and testing such devices.			
CLEARED FOR TV.			
<b>MISSION CONTROL</b>			
5 min, 16mm film, optical sd, col Producer USNASA Title No. 006437	1969	Agency No. AD 022 Sale \$24.75	
Shows Mission Control in Houston where the Apollo flights are monitored and controlled once the Saturn is launched from its pad. Shows the methods by which a flight is monitored and controlled.			
From the APOLLO DIGEST series.			
<b>MISSION FOR MARINER, A</b>			
15 min, 16mm film, optical sd, col Producer USNASA Title No. 002543	1969	Agency No. HQA192 Sale \$58.50	
Illustrates through animation the principal results of the unmanned Mariner spacecraft fly-by of the planet Venus in 1967, including new knowledge of the composition and density of the Venustian atmosphere, surface pressure and temperature, maps and radiation.			
<b>MISSION OCEANOGRAPHY</b>			
29 min, 16mm film, optical sd, col Producer USN Title No. 525901	1966	Agency No. MN10145 Sale \$97.75	
Tells of the research and discoveries by ocean scientists of the early 1800's and the Navy's involvement with the seas and oceanography. Shows the progress of oceanography from the early sailing days to the present time.			
<b>MISSISSIPPI VALLEY DISEASE - HISTOPLASMOSES</b>			
30 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002544	1957	Agency No. MIS-0971 Sale \$52.00	
Doctors M. L. Furcolow and Patrick Lehan summarize current knowledge of the fungus infection histoplasmosis, covering the epidemiology and clinical course of this widespread disease.			
<b>MIT RESEARCH REACTOR</b>			
18 min, 16mm film, optical sd, col Producer USAEC Title No. 002545	1958	Sale \$80.00	
Includes a special medical therapy room providing new approaches to nuclear medical research techniques. Shows construction phases of the reactor, associated nuclear equipment, containment shell, and radiation shielding.			
<b>MOBIDIC JOINS THE FIELD ARMY</b>			
16 min, 16mm film, optical sd, col Producer USA Title No. 527050	1962	Agency No. MF11-9662 Sale \$55.00	
Tells the story of the development, application, and operations of MOBIDIC, the first large scale electronic computer designed for field use. The future potential of electronic computers for tactical application is underscored.			
<b>MODERN GEODETIC SURVEYING</b>			
18 min, 16mm film, optical sd, col Producer USN Title No. 002546	1967	Agency No. MN10203 Sale \$61.75	
Shows the need, nature and means of geodetic surveying as it exists today with emphasis on the challenge of the future.			
CLEARED FOR TV.			
<b>MODERN IMMUNIZATION PROCEDURES IN CHILDREN AND ADULTS</b>			
40 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002547	1965	Agency No. T-1836-X Sale \$78.50	
Reviews present recommendations for immunization procedures in infancy, childhood, and adult life. Emphasizes areas which are somewhat controversial, including immunizations against diphtheria, tetanus and smallpox. (Kinescope)			
<b>MODERN MANUFACTURING - COMMAND PERFORMANCE</b>			
33 min, 16mm film, optical sd, col Producer USAF Title No. 528125	1963	Agency No. SFP 1153 Sale \$110.75	
Illustrates the need for using modern methods in the production of aerospace vehicles and depicts many of the latest manufacturing techniques. Explains that the use of automation from programming to finished product can supersede conventional methods in speed, reliability, and economy. Shows electronically controlled machinery which operates solely on commands from numerical computer tapes and performs tasks with precision and accuracy. Emphasizes the importance of modernization in the production of Air Force space system.			
CLEARED FOR TV.			
<b>MODERN WEATHER - THEORY AND STRUCTURE OF STORMS-WEATHER IN VARIOUS PARTS OF AN...</b>			
23 min, 16mm film, optical sd, b&w Producer USAF Title No. 002548	1943	Agency No. TF01-0728 Sale \$40.50	
FULL TITLE--MODERN WEATHER - THEORY AND STRUCTURE OF STORMS--WEATHER IN VARIOUS PARTS OF AN OCCLUDED WAVE. Describes the characteristics of warm, cold, and occluded fronts, shows the types of clouds associated with each type of front, tells how an occluded front is produced, and explains how to fly through an occluded front.			
<b>*MODERNIZING MARKET FACILITIES</b>			
27 min, 16mm film, optical sd, b&w Producer USDA Title No. 005295	1955	Agency No. 1050-R Sale \$58.00	
Shows the facilities used in bringing food from the farmer to the consumer and how both facilities and methods of handling are being modernized.			
<b>MODIFICATION OF RADIATION INJURY IN MICE</b>			
10 min, 16mm film, optical sd, col Producer USAEC Title No. 002549	1958	Agency No. 0214 Sale \$52.00	
Shows the effects on mice of chemical protection by mercaptoethylguanidine (MEG) before irradiation and bone-marrow transplant after exposure to lethal doses of 900 R, as well as possible implications regarding treatment of some human disease.			
<b>MODIFICATION OF THE SCHÖENHEIMER-SPERRY METHOD FOR FREE AND TOTAL CHOLESTEROL</b>			
21 min, 16mm film, optical sd, col Producer USNMAC Title No. 529805	1966	Agency No. M-1150 Sale \$71.50	
Presents a reference procedure for the determination of serum free and total cholesterol. The cholesterol digitonide is precipitated and the precipitate is washed and dissolved in special filter columns rather than in the usual manner in centrifuge tubes.			

\* INDICATES NEW ENTRY

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<b>MOISTURE PROOFING ELECTRICAL AND TYPE CONNECTORS</b>			
20 min, 16mm film, optical sd, col Producer USN Title No. 528720	1957 Agency No. MN08572 Sale \$68.25		
Tells how to apply synthetic rubber to electrical connections, and how to mix, test and store potting compound.			
<b>MOLDING A HORIZONTAL CORED PART</b>			
22 min, 16mm film, optical sd, b&w Producer USOE Title No. 528750	1945 Agency No. OE 431 Rental \$7.50 Sale \$38.50		
Shows how to use a horizontal core, a split pattern, chaplets and chaplet supports, how to gate a mold to pour a thin casting and how to clean a casting.			
From the <b>FOUNDRY PRACTICE</b> series. Floor Molding, No. 4			
<b>MOLDING A VALVE BODY</b>			
25 min, 16mm film, optical sd, b&w Producer USOE Title No. 528800	1945 Agency No. OE 430 Rental \$10.00 Sale \$45.50		
Demonstrates use of a split pattern and multipart dry sand core, how to gate a mold for rapid, uniform distribution of clean metals, and how to locate a core and seal the core prints.			
<b>MOLDING ON A JOLT ROLL-OVER PATTERN DRAW MACHINE</b>			
23 min, 16mm film, optical sd, b&w Producer USOE Title No. 528850	1945 Agency No. OE 434 Rental \$10.00 Sale \$40.50		
Explains the jolt roll-over pattern draw machine. Shows how to fill the drag and jolt it, draw the pattern, set the drag and cope pattern plates, fill the cope and jolt it, and finish and close the mold.			
From the <b>FOUNDRY PRACTICE</b> series. Machine Molding			
<b>MOLDING ON A JOLT SQUEEZE MACHINE</b>			
10 min, 16mm film, optical sd, b&w Producer USOE Title No. 528900	1945 Agency No. OE 433 Rental \$7.50 Sale \$17.50		
Shows the principles of the jolt squeeze molding machine, how to roll the mold, fill the cope and apply pressboard, squeeze the mold, draw the pattern, and finish and close the mold.			
<b>MOLDING PART WITH DEEP GREEN SAND CORE</b>			
25 min, 16mm film, optical sd, b&w Producer USOE Title No. 528920	1945 Agency No. OE 429 Rental \$10.00 Sale \$43.75		
Tells why to use a follow board with a thin box-like pattern. Shows how to reinforce a green sand core with nails, locate sprue and watch-up pins, use gagers, and ram and vent a green sand core.			
From the <b>FOUNDRY PRACTICE</b> series. Floor Molding, No. 2			
<b>MOLDING WITH A GATED PATTERN</b>			
11 min, 16mm film, optical sd, b&w Producer USOE Title No. 528950	1944 Agency No. OE 427 Rental \$5.00 Sale \$19.25		
Explains what a gated pattern is and why it is used. Shows how to match or follow board may simplify making a parting, how facing sand is prepared, and how and why some patterns are rapped through the cope.			
From the <b>FOUNDRY PRACTICE</b> series. Bench Molding, No. 5			
<b>MOLDING WITH A LOOSE PATTERN - BENCH</b>			
21 min, 16mm film, optical sd, b&w Producer USOE Title No. 529050	1944 Agency No. OE 423 Rental \$7.50 Sale \$37.00		
Shows how to use bench molder's tools, prepare molding sand, face a pattern, ram and vent a mold, roll a drag and cut a sprue, runner, riser and gates. Depicts with animation the inside of a mold during pouring.			
From the <b>FOUNDRY PRACTICE</b> series. Bench Molding, No. 1			
<b>MOLDING WITH A LOOSE PATTERN - FLOOR</b>			
24 min, 16mm film, optical sd, b&w Producer USOE Title No. 529055	1945 Agency No. OE 428 Rental \$10.00 Sale \$42.25		
Shows difference between bench and floor molding, how to			
face a deep pattern, ram a drag and walk it off, clamp a mold, locate sprues and risers, and tuck the crossbars of a large cope.			
From the <b>FOUNDRY PRACTICE</b> series. Floor Molding, No. 1			
<b>MOLDING WITH A SPLIT PATTERN</b>			
19 min, 16mm film, optical sd, b&w Producer USOE Title No. 529125	1944 Agency No. OE 426 Rental \$7.50 Sale \$33.75		
Explains how split patterns aid in the more efficient molding of some casting and demonstrates how ramming affects the permeability of sand in a mold. Tells how to reinforce a mold with nails, and how to patch a mold.			
From the <b>FOUNDRY PRACTICE</b> series. Bench Molding, No. 4			
<b>MOLDING WITH A THREE PART FLASK</b>			
35 min, 16mm film, optical sd, b&w Producer USOE Title No. 529150	1945 Agency No. OE 432 Rental \$12.50 Sale \$60.25		
Explains the use of a deep follow board and outlines techniques of facing, ramming and venting a deep green sand core. Shows how to use a cheek in a three-part flask. Gives the purpose and method of step-gating.			
From the <b>FOUNDRY PRACTICE</b> series. Floor Molding, No. 5			
<b>MOLECULAR BIOLOGY - AN INTRODUCTION</b>			
15 min, 16mm film, optical sd, col Producer USAEC Title No. 002551	1969 Sale \$75.00		
Explains that the development of more refined and sophisticated research tools, used in conjunction with radioactive tracers, has opened up new possibilities in the study of molecular biology--studies which may contribute basic information needed to find the cause and cure of human cancer and many other diseases.			
<b>MOLTEN SALT REACTOR EXPERIMENT</b>			
20 min, 16mm film, optical sd, col Producer USAEC Title No. 002552	1968 Sale \$77.75		
Uses animation to describe the design, construction, and operation of the molten salt reactor experiment. Discusses the possibility of using molten-salt reactors as thermal breeders.			
<b>MOMENT IN HISTORY, A</b>			
14 min, 16mm film, optical sd, col Producer USNASA Title No. 529985	1964 Agency No. HQA 122 Sale \$54.00		
Describes the presentation of honorary U.S. citizenship to Winston Churchill by President Kennedy on April 6, 1963. The live television transmission was sent via satellite from the White House to England.			
<b>MOMENT IN TIME, A</b>			
25 min, 16mm film, optical sd, col Producer USN Title No. 002553	1968 Agency No. MN10367 Sale \$101.75		
Depicts the scope of Navy photography and the mission of major photographic field activities.			
<b>MONO LAKE PROJECT</b>			
25 min, 16mm film, optical sd, col Producer USAE Title No. 002554	1968 Sale \$114.00		
Outlines the objective of the Mono Lake Underwater Explosion Experiments, describes in detail the experimental procedures used in accomplishing the test program, and the results of water-surface wave measurement on the shore of the lake arising from the detonation of 10 five-ton explosive charges. Several of the underwater detonations are shown and certain conclusions drawn from the test series.			
<b>MONOSTABLE MULTIVIBRATOR - TSTR</b>			
40 min, 16mm film, optical sd, b&w Producer USAF Title No. 002555	Agency No. TVK 30-811 Sale \$82.25		
Shows how the transistorized monostable multivibrator can be identified, and explains the purpose of each component. Discusses pulse width stabilization and explains factors that			

affect the output frequency. Shows characteristic waveshapes generated graphically and compares to actual waveshapes on an oscilloscope. During the demonstration, varies certain components and points out the effect. (Kinescope)

#### MONOSTABLE MULTIVIBRATOR - VT

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-810  
Title No. 002556 Sale \$70.50

Gives illustrations of the use of the monostable multivibrator, and explains the circuit operation, after having reviewed the purpose of each component. Illustrates the factors that determine output frequency by showing actual waveshapes on an oscilloscope. (Kinescope)

#### \*MONTESSORI

21 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000344 Sale \$85.75  
The film illustrates expansion of the montessori core curriculum through application of principles of learning, of linguistic theory, of child development, of educational technology, and of cybernetic principles. These adaptations have resulted in a highly individualized program for the hearing impaired child with learning disabilities.

#### MOODS IN SAFETY

21 min, 16mm film, optical sd, col 1966  
Producer USAF Agency No. SFP 1493  
Title No. 531490 Sale \$71.50

Demonstrates how various types of moods and emotions can be detrimental to personal safety on and off the job. Shows how over-confidence, cockiness, anger, depression, tension, etc., cause accidents through distortion of intelligence, logic and sense of reasoning. Stresses the importance of following safety rules on the flight line, in flight, at the missile site, and behind the wheel.

CLEARED FOR TV.

#### \*MOON OLD AND NEW, THE

26 min, 16mm film, optical sd, col  
Producer USNASA Agency No. HQ 209  
Title No. 531530 Sale \$107.75

Illustrates briefly the history of lunar studies before the Apollo 11 mission. It then covers the major things we have learned, and the major questions that have emerged from studying Apollo 11 and 12 lunar samples and the data returned from scientific instruments left on the surface. It closes with a brief resume of investigations that scientists would like to undertake in the future.

#### MORAL RESPONSIBILITY OF SAFETY

6 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TF16-2791  
Title No. 532100 Sale \$15.00

Tells of four people directly and indirectly involved in a traffic accident face the issue, 'who was morally responsible for the accident?'

#### \*MORE - BASIC COURSE

29 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004095 Sale \$94.25  
Cassettes and accompanying text are both available for \$96.00.

#### OTHER FORMAT(S) OR VERSION(S)

56 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004096 Sale \$155.75  
Tape set and accompanying text are both available for \$157.50.

#### MOSQUITO PREVENTION IN IRRIGATED AREAS

7 min, 16mm film, optical sd, b&w 1955  
Producer USNMAC Agency No. M-0073  
Title No. 002557 Sale \$12.50

Shows how to control mosquitoes in irrigated areas by good design and careful maintenance of the irrigation system, accurate leveling of fields, and providing adequate run-off drainage in order to avoid standing water.

#### MOSQUITO STAGES OF PLASMODIUM FALCIPARUM

11 min, 16mm film, optical sd, b&w 1954  
Producer USPHS Agency No. M-0138B  
Title No. 002558 Sale \$19.25  
Illustrates by means of cinematography, cinemicrography, and graphics, shows the female of the anopheles quadrimaculatus obtaining a blood meal, and transfer of sporozoites to the salivary glands and their inoculation into the tissues of the host.

#### MOSQUITO SURVEY TECHNIQUES

15 min, 16mm film, optical sd, col 1954  
Producer USPHS Agency No. M-0127  
Title No. 002559 Sale \$51.75  
Shows mosquito survey methods under a variety of circumstances and for various mosquito species. Shows how to collect larvae and adult mosquitoes, and how to keep accurate records and evaluate results.

#### MOTILITY OF ENTAMOEBA HISTOLYTICA

4 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1421  
Title No. 002560 Sale \$16.50  
Illustrates photomicrography of scrapings from rectal lesion of a case of amoebiasis showing movement of parasites.

#### MOTION PICTURE HISTORY OF THE KOREAN WAR, THE

58 min, 16mm film, optical sd, b&w 1958  
Producer USDOD Agency No. AFIF 0085  
Title No. 534420 Sale \$100.50  
Presents the Korean War fighting and the problems encountered by American and United Nations forces during the major phases of the battle from the initial gun fire on June 25, 1950 to the armistice on July 27, 1953.

#### \*MOTIVATION - A MEANS TO ACCIDENT PREVENTION

11 min, 16mm film, optical sd, col 1969  
Producer USBM  
Title No. 003535 Sale \$48.50  
Shows how proper motivation prevents accidents at home and on the job. The reasons that motivate the workmen are presented in a visually interesting manner.  
From the FOREMANSHIP TRAINING series.  
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4200 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### MOTOR CONDUCTION VELOCITY STUDIES OF THE MEDIAN AND ULMAR NERVES

8 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-0966  
Title No. 002561 Sale \$26.00  
Aids in defining the character of neuropathic lesions. Presents a method of determining the velocity in motor fibers of the median nerve in the forearm.

#### MOTORS AND GENERATORS, PT 1, DC MOTORS AND GENERATORS

35 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF9-3108  
Title No. 002562 Sale \$60.25  
Describes the construction, uses, and principles governing the operation of DC motors and generators.

#### MOTORS AND GENERATORS, PT 2 - AC MOTORS AND GENERATORS

25 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF09-3107  
Title No. 534801 Sale \$43.75  
Describes the design, characteristics, and operation of AC generators and motors.

#### MOUNTAIN AND DESERT SURVIVAL - DESERT SURVIVAL

31 min, 16mm film, optical sd, col 1963  
Producer USAF Agency No. TF 5571B  
Title No. 535008 Sale \$104.25  
Outlines principles of desert survival. Shows procedures for

promoting rescue and maintaining personnel health and comfort. Points out sources of food and water, explains shelter construction and discusses use of signal fires and mirror. Emphasizes importance of calmness and clear thinking. Demonstrates the tragedy that can result from fear and panic. CLEARED FOR TV.

#### \*MOUNTAIN WATER

17 min, 16mm film, optical sd, col 1950  
 Producer USDA Agency No. 1028  
 Title No. 535479 Sale \$80.00  
 Shows how the water supply for industrial, agricultural and domestic uses in the western United States depends on mountain water. Stresses the need for conservation of forests and vegetation on mountains.

#### \*MOUNTING OF CASTS IN A SEMI-ADJUSTABLE ARTICULATOR AND USE OF BITE PLANES

14 min, 16mm film, optical sd, col 1970  
 Producer USVA Agency No. D-117  
 Title No. 535875 Sale \$51.50  
 Shows a step-by-step procedure for mounting a cast in a hanau semi-adjustable articulator using a conventional face bow and cheek bites. Demonstrates adjustment and function of a maxillary bite plane since the use of such appliances often is indicated prior to determination of optimal jaw relations.

#### MOUTH PREPARATION FOR REMOVABLE PARTIAL DENTURES

35 min, 16mm film, optical sd, col 1964  
 Producer USA Agency No. PMF 5375  
 Title No. 002563 Sale \$117.50  
 Shows principles and procedures for diagnosing and treating patient's mouth prior to receiving prosthesis.

#### MOVABLE SCENE, A

22 min, 16mm film, optical sd, col 1969  
 Producer USNIMH  
 Title No. 536180 Rental: W/DRAWN Sale: W/DRAWN  
 Provides a serious and dramatic look at some of today's young people and their use of hallucinogenic drugs. Includes quick visits to the hippies favorite meeting grounds in San Francisco, New Orleans, and New York. Explores the drug scene in London, Europe, the Middle East and the high Himalayas. Narrated by Robert Mitchum.  
 From the DISTANT DRUMMER series.

#### MOVEMENTS OF ENDAMOEBA HISTOLYTICA

2 min, 16mm film, silent, col 1947  
 Producer USNMAC Agency No. 04-00081  
 Title No. 001336 Sale \$9.00  
 Cinemicrography of typical motility and ingested red cells of trophozoite of endamoeba histolytica from a clinical case of amoebic dysentery.

#### \*MR. EDLERS CLASS - DRUG EDUCATION AT THE ELEMENTARY LEVEL

30 min, 16mm film, optical sd, col 1971  
 Producer USNIMH  
 Title No. 002139 Rental \$12.50 Sale \$70.25  
 Shows what elementary schools can do to prevent drug misuse with action being taken to detect, diagnose and treat the problem through the use of experimental innovative approaches to learning in general.  
 From the SOCIAL SEMINAR series.

#### \*MUDJACKING CONCRETE PAVEMENT

11 min, 16mm film, optical sd, b&w 1980  
 Producer USAF Agency No. TF-1-5356  
 Title No. 003106 Rental \$5.00 Sale: W/DRAWN  
 Presents procedures for leveling concrete slabs with hydraulic pressure. Includes drilling, mixing, special mortar, pumping mortar and watching pressure limitations. Describes tools and equipment used in the operation.

#### \*MULTI-SENSORY INPUT FEEDBACK

3 min, 8mm cartridge, optical sd, col  
 Producer USBEH  
 Title No. 003403 Sale \$24.25  
 Sold only in a cartridge with auditory feedback and self monitoring practice.

#### MULTIPLE HANDICAPPED, THE

23 min, 16mm film, optical sd, col 1970  
 Producer USBEH  
 Title No. 338504 Rental \$10.00 Sale \$108.00  
 Shows mentally retarded, cerebral palsied, dyslexia, deaf-blind, and emotionally disturbed deaf children in Sweden, Germany, the Netherlands, and England.  
 From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.

#### MUNICIPAL SEWAGE TREATMENT PROCESSES

13 min, 16mm film, optical sd, b&w 1951  
 Producer USNMAC Agency No. M-0006  
 Title No. 002565 Sale \$23.75  
 Shows the equipment and explains the processes used by U S cities to reduce sewage to harmless effluent and solids, thus protecting the health of residents and conserving water resources.

#### MUSEUM OF ART

27 min, 16mm film, optical sd, col 1958  
 Producer USIA Agency No. 01-02375  
 Title No. 004350 Rental: W/DRAWN Sale: W/DRAWN  
 Describes the role of art museums in communities throughout the United States and shows examples of art on display.

#### MUSEUM OF SCIENCE AND INDUSTRY, THE

18 min, 16mm film, optical sd, b&w 1950  
 Producer USDS  
 Title No. 002566 Rental \$7.50 Sale \$38.50  
 An excursion through the Museum of Science and Industry in Chicago shows the world of today against the background of yesterday--the automobile, streamliner, and stratoliner of today and the horseless carriage and woodburning train of early years.

#### MUSEUMS FOR SCHOOL CHILDREN

21 min, 16mm film, optical sd, t&w 1951  
 Producer USA Agency No. 08-10839  
 Title No. 002567 Rental \$7.50 Sale \$44.50  
 Pictures the facilities and explains the educational value of children's museums in the United States.

#### \*MUSIC IN THE FOREST

30 min, 16mm film, optical sd, b&w 1963  
 Producer USIA Agency No. 01-00417  
 Title No. 004351 Rental: W/DRAWN Sale: W/DRAWN  
 Depicts life at the summer music camp at Interlochen, Michigan. Includes the young students' music training as well as recreation and non-classroom activities.

#### MUTUAL AID - THE 'US' IN INDUSTRY

26 min, 16mm film, optical sd, col 1965  
 Producer USOCD Agency No. DODCD20-237  
 Title No. 002568 Sale \$86.50  
 Explains the steps and procedure in the organizing and conducting of an industrial Mutual aid association and its important civil defense function. Features many industries working together. Gives the Linden Industrial Mutual Aid Council (LIMAC) of Linden, N.J., As an example of major industries working together.

#### MY CHILD IS BLIND

21 min, 16mm film, optical sd, b&w 1951  
 Producer USA Agency No. 08-10878  
 Title No. 002569 Rental: W/DRAWN Sale: \$46.25  
 Shows how a blind child, given patient treatment and proper training at a special nursery school for the blind, can be taught many things normal children do.

\* INDICATES NEW ENTRY

243

270

**MY FRIEND, THE ENEMY**

35 min, 16mm film, optical sd, b&w 1965  
**Producer USIA** Agency No. 01-02641  
**Title No. 004352** *Rental/W/DRAWN Sale: W/DRAWN*  
 Uses an actual case in which labor and management settle a dispute by the bargaining process, to illustrate how mutual co-operation benefits both labor and industry. Gives intimate details of the meetings which reveal principles and tactics of bargaining.

**MYCOSIS FUNGOIDES**

16 min, 16mm film, optical sd, col 1952  
**Producer USVA**  
**Title No. 002570** *Rental \$99. Sale \$55.*  
 Discusses the historical development, classification, and clinical and histopathological features of mycosis fungoides. Emphasizes histological criteria for diagnosis, shows clinical appearances of the pre-mycotic, mycotic, and ulcerative phases of the disease, and follows a case over a four-year period from early pre-mycotic to autopsy findings.

**MYCOLOGICAL SLIDE CULTURE TECHNIQUE**

7 min, 16mm film, optical sd, col 1965  
**Producer USNMAC** Agency No. M-0767  
**Title No. 002571** *Sale \$22.75*  
 Shows a method of growing fungus on microscope cover slips to preserve mycelia and spores intact.

**\*MYELOMATOSIS WITH CUTANEOUS MANIFESTATIONS**

8 min, 16mm film, optical sd, col 1962  
**Producer ILDS**  
**Title No. 004353** *Rental/W/DRAWN Sale: W/DRAWN*  
 Follows a patient through myelomatosis to death. Contrasts abnormal bone marrow, blood and tissue globulins, immunologic responses of a delayed type with normal immediate response to histamine.

**\*MYSTERY AT SMOKY HOLLOW**

28 min, 16mm film, optical sd, col 1968  
**Producer USDA** Agency No. 6153  
**Title No. 003975** *Sale \$139.00*  
 A forest ranger traces the origin of a woods fire by questioning several members of a community about their activities in or near the woods at the time the fire started. The mystery of how each person is impressed with the need for careful attention whenever fire is used in or near a forested area.

**NAPLES TO CASSINO**

26 min, 16mm film, optical sd, b&w 1948  
**Producer USA** Agency No. CHR-C-003  
**Title No. 542400** *Sale \$45.50*  
 Shows scenes of fighting during the drive of Allied Forces from Naples to Cassino, Italy, during World War II.

**NARCOTIC DEATHS, PT 1**

27 min, 16mm film, optical sd, b&w 1970  
**Producer USNMAC** Agency No. T-1898A  
**Title No. 002572** *Sale \$56.50*  
 Describes the types of narcotic deaths encountered, types of drugs used, and symptomatic changes found externally as well as internally. Discusses and demonstrates the implements involved in using narcotic drugs and shows slides of victims of narcotic overdosage and the effects of narcotic intravenous injections on veins and subcutaneous tissue. (Kinescope)

RESTRICTED TO PROFESSIONAL AUDIENCES—RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE. CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY.

**NARCOTIC DEATHS, PT 2**

21 min, 16mm film, optical sd, b&w 1970  
**Producer USNMAC** Agency No. T-1898B  
**Title No. 002573** *Sale \$44.50*  
 Describes the types of narcotic deaths encountered, types of drugs used, and symptomatic changes found externally as well as internally. Discusses and demonstrates the implements involved in using narcotic drugs and shows slides of victims of narcotic overdosage and the effects of narcotic intravenous injections on veins and subcutaneous tissue. (Kinescope)

RESTRICTED TO PROFESSIONAL AUDIENCES—RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE. CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY.

**\*NARCOTICS**

24 min, audiotape cassette, 2-track, monaural

**Producer USNIMH**

**Title No. 002143**

Available only as part of a series. Discusses the various derivatives of opium, the narcotics, and the narcotics antagonist.

From the **PROFESSIONAL DRUG TAPE** series.

**\*NARRATIVE CONSTRUCTION SAFETY AND HEALTH TRAINING COURSE**

290 2x2 slides, audiotape cassette, col

1973

**Producer USDL**

**Title No. 006405**

*Sale \$90.00*

Improves the ability to recognize, avoid and prevent unsafe working conditions on a construction job. These training materials cover all phases of construction safety from pre-job planning to the finished job. Careful study is given to built-in hazards in the use of material-handling loaders, bulldozers and trucks. The dangers present in the use of arc and gas welding, cutting equipment and flammable fuels and liquids are examined and given special attention. Also included and thoroughly discussed are personal protective equipment, hand tools and accessories for major powered equipment. Slides are accompanied by instructor's manuals.

**NATION IN TORMENT, A**

11 min, 16mm film, optical sd, b&w

1958

**Producer USIA**

**Title No. 004354** *Rental/W/DRAWN Sale: W/DRAWN*

Reviews briefly the history of Hungary with particular reference to the period 1946-56. Describes the October 1956 revolt of the people, its repression by Soviet troops, and the exodus of Hungarian refugees.

**\*NATIONAL ARBORETUM, THE**

14 min, 16mm film, optical sd, col

1969

**Producer USDA** Agency No. 7087

**Title No. 003976** *Sale \$71.00*

Shows the sharp contrast between the hubbub of the Nation's capital and the serene and beautiful showplace of living plants--the National Arboretum in Washington. The four seasons are compressed into this short tour where you can watch scientists at work and look at the vivid colors of thousands of flowers. Includes a sequence taken in the Far East, showing a USDA scientist collecting plants for developing new ornamentals to beautify America.

**NATIONAL FOLK FESTIVAL, PT 1**

10 min, 16mm film, optical sd, b&w

1950

**Producer USA**

**Title No. 543151**

*Rental \$5.00 Sale \$21.00*

Includes western German and Philippine dances, a New England barn dance and the Scottish Highland fling.

**NATIONAL FOLK FESTIVAL, PT 2**

10 min, 16mm film, optical sd, b&w

1950

**Producer USA**

**Title No. 543152**

*Rental \$5.00 Sale \$21.00*

Includes Polish, English, Croatian, American Indian, Lithuanian, Ukrainian, Texas and Tennessee dances and Negro and Yugoslav songs.

**NATIONAL FOLK FESTIVAL, PT 3**

10 min, 16mm film, optical sd, b&w

1950

**Producer USA**

**Title No. 543154**

*Rental \$5.00 Sale \$21.00*

Includes Israeli, Russian, Czechoslovakian and American square dances, Ozark ballads, songs of Pennsylvania coal miners, Spanish-American songs and 'Casey Jones.'

**\*NATIONAL FOREST TRAILS**

25 min, 16mm film, optical sd, col

1968

**Producer USDA** Agency No. 7086-1

**Title No. 003783** *Sale \$123.00*

Combines the slides taken and the recorded voice of Edward

P. Cliff, Chief, Forest Service, on the occasion of a presentation to the 17th meeting of the Appalachian Trail Conference, at Cashiers, North Carolina. The general policy of the Forest Service toward recreation trails is covered.

\*NATIONAL GRASSLANDS

27 min, 16mm film, optical sd, col 1955  
Producer USDA Agency No. 1551  
Title No. 003977 Sale \$122.00  
Traces the history of our grasslands from their depletion in the 1930's to their present restoration, the result of careful management.

NATIONAL LIBRARY OF MEDICINE

26 min, 16mm film, optical sd, col 1963  
Producer USNMAC Agency No. M-0523  
Title No. 002574 Sale: W/DRAWN  
Describes the history, resources, and services of the National Library of Medicine.

\*NATURE OF HUMAN COLOR CHANGE, THE GENETIC, HORMONAL, NEOPLASTIC

90 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1875-X  
Title No. 002575 Sale \$187.00  
Depicts the importance of melanin pigmentation and its relationship to systemic disease. Demonstrates with patients, marine animals, mice, film, charts, and slides the basic science aspects, the genetic and hormonal control of melanin pigmentation, and neoplasms involving pigment cells with special attention to the recognition of early melanomas. (Kinescope)

NATURE OF SEA WATER

29 min, 16mm film, optical sd, col 1967  
Producer USN Agency No. MN10317  
Title No. 002576 Sale \$97.75  
Describes physical and chemical properties of sea water. Explains how man's understanding of the sea is basic to making use of ocean resources.

NAUTICAL ASTROPHOTOMY

23 min, 16mm film, optical sd, b&w 1942  
Producer USN Agency No. MN00083C  
Title No. 002577 Rental \$10.00 Sale \$40.50  
Explains how the celestial coordinates are placed in relation to the Earth, and how declination, zenith point, nadir line, and the June and September solstices are used in celestial navigation. College level.

NAUTILUS CROSSES THE TOP OF THE WORLD, THE

10 min, 16mm film, optical sd, b&w 1958  
Producer USIA Agency No. 01-04204  
Title No. 004676 Rental W/DRAWN Sale: W/DRAWN  
Recounts the four-day epic journey under the polar ice cap of the atomic-powered submarine Nautilus. Includes a description of the ship's atomic reactor by Rear Admiral Hyman Rickover, who pioneered the nuclear submarine.

\*NAVAL FLIGHT OFFICER - CALLING THE SIGNALS, THE

26 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN-10681  
Title No. 002140 Sale \$113.50  
Emphasizes the importance of the Naval Flight Officer to the team effort of an aviation mission.

NAVAL RESEARCH LABORATORY REACTOR

21 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002578 Sale \$89.00  
Shows the Naval Research Laboratory's pool type, 100-kw Research Reactor facility in Washington. All visible components are pictured and described. Action includes startup, operation of controls, and underwater shots of the cerenkov radiation. Composition of fuel elements, assembly of a core, and methods of exposing samples are explained by cutaway drawings and animation. Several experiments, representative of the type of research performed with the reactor, are described.

NAVAL STEAM TURBINES - HOW TURBINES WORK

17 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN06732B  
Title No. 002579 Sale \$30.50  
Discusses the basic principles and design of main propulsion and auxiliary steam turbines in Navy use.

NAVAL STEAM TURBINES - TURBINE CASUALTIES

12 min, 16mm film, optical sd, b&w 1950  
Producer USN Agency No. MN06732C  
Title No. 002580 Sale \$22.25  
Explains the delicate nature of turbine equipment and the care which should be observed in its oiling, cleaning, and maintenance.

NAVAL WARS WITH FRANCE AND TRIPOLI, THE

26 min, 16mm film, optical sd, col 1953  
Producer USN Agency No. FN06943B  
Title No. 548560 Sale \$88.00  
Presents through still pictures, using the filmograph technique, the naval history of the United States from 1785 to 1805. Includes scenes of the wars with France (1798-1800), with Tripoli (1801-1805), The arrival of the U S fleet in the Mediterranean, the destruction of the frigate Philadelphia, the bombardment of Tripoli, and the march on Derna.

\*NAVIGATION RETURNS TO THE ARKANSAS

14 min, 16mm film, optical sd, col 1963  
Producer USAE  
Title No. 003514 Sale \$58.25  
Describes the Corps of Engineers current construction activities and future plans for the comprehensive development of the Lower Arkansas River Basin. Photographs of construction and animation are used to describe the extensive program which is making the last major tributary of the Mississippi River ready for modern barge transportation besides providing flood control, water supply, power, and recreation benefits.

NAVY AND SCIENCE, THE

12 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN 06658  
Title No. 002581 Sale \$22.25  
Highlights some of the scientific research programs being conducted by the Navy.

NAVY BOBSLED RACING TEAM

15 min, 16mm film, optical sd, col 1969  
Producer USN Agency No. MN10672  
Title No. 002582 Sale \$60.00  
Shows phases of bobsled racing and activities of the Navy team in both domestic and international competitions.

NAVY METEOROLOGY FOR COLLEGE GRADUATES

15 min, 16mm film, optical sd, col 1967  
Producer USN Agency No. MN10535  
Title No. 002627 Sale \$62.25  
Shows opportunities for meteorologists as officers in the Naval Weather Service.

NAVY PHOTOGRAPHY IN SCIENCE

28 min, 16mm film, optical sd, col 1948  
Producer USN Agency No. MN05348C  
Title No. 002584 Sale \$94.50  
Shows uses of photography in scientific research--time lapse, high-speed, slow-motion, stroboscopic, microscopic, and under-water techniques. Includes scenes of the Moon in motion, blood circulation in the brain, and the Earth from 101 miles altitude.

NAVY STANDARD SWIMMING TEST AND ABANDONING SHIP DRILLS

18 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02652B  
Title No. 002585 Sale \$32.00  
Shows various tests given to Navy personnel to determine swimming abilities, and illustrates abandoning ship drills.

\* INDICATES NEW ENTRY

<b>NAZIS STRIKE, THE</b>		<b>*NEVOID BASAL CELL CARCINOMA SYNDROME, THE</b>
41 min, 16mm film, optical sd, b&w Producer USWD Title No. 002586	1943 Agency No. OE 02 Rental \$12.50 Sale \$84.00	19 min, 16mm film, optical sd, col Producer IDCE Title No. 004677
Documents Germany's preparations for war, the conquest of Austria and Czechoslovakia, and the attack upon Poland. From the WHY WE FIGHT series.	Shows documents of Germany's preparations for war, the conquest of Austria and Czechoslovakia, and the attack upon Poland. From the WHY WE FIGHT series.	Rental: W/DRAWN Sale: W/DRAWN Demonstrates clinical and radiographic evidence of this genetically determined, unusual type of cancerous nevus in a father and his son. Points out specific characteristics of the disease.
RESTRICTIONS—SALE OR RENTAL IS APPROVED FOR STUDY AND EDUCATIONAL PURPOSES ONLY. FILM MAY BE USED ON CLOSED CIRCUIT TELEVISION BUT CANNOT BE USED ON BROADCAST TELEVISION.		
<b>NEAR HORIZON, THE</b>		<b>*NEW ALASKA, THE</b>
18 min, 16mm film, optical sd, b&w Producer USIA Title No. 004355	1955 Rental W/DRAWN Sale: W/DRAWN	28 min, 16mm film, optical sd, col Producer USDA Title No. 004150
Describes past progress and current economic developments in Latin America. Illustrates principles of modern economic development and interdependence. Shows progress in industry, agriculture, power, and transportation. Describes the extent of intrahemispheric trade.	Describes past progress and current economic developments in Latin America. Illustrates principles of modern economic development and interdependence. Shows progress in industry, agriculture, power, and transportation. Describes the extent of intrahemispheric trade.	Explains how the national forests of Alaska, through timber, water, recreation and wildlife and the multiple use management of these resources contribute to Alaska's expanding economy.
<b>NEUROSURGERY - FACIAL NEURALGIA</b>		<b>NEW DIAGNOSTIC PROCEDURES IN THE DIAGNOSIS OF PITUITARY DISEASE</b>
13 min, 16mm film, optical sd, col Producer USN Title No. 548301	1946 Agency No. MN02230E Sale \$42.00	35 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002590
Demonstrates the surgical treatment of trigeminal and glossopharyngeal neuralgia. RESTRICTED TO MEDICAL PERSONNEL.	Demonstrates the surgical treatment of trigeminal and glossopharyngeal neuralgia. RESTRICTED TO MEDICAL PERSONNEL.	Shows new developments in the field of radioimmunoassay resulting in sensitive and specific methods for the measurement of all pituitary hormones except prolactin in peripheral plasma. Reviews past diagnostic procedures. (Kinescope)
<b>NEUTRON ACTIVATION</b>		<b>NEW EYES AND NEW EARS</b>
8 min, 16mm film, optical sd, col Producer USAEC Title No. 002587	1964 Sale \$30.00	20 min, 16mm film, optical sd, b&w Producer USA Title No. 002591
Describes the analytic techniques which are involved in measuring the presence of radioactive elements from a substance irradiated with neutrons.	Describes the analytic techniques which are involved in measuring the presence of radioactive elements from a substance irradiated with neutrons.	Explains the use of audio-visual materials in Japan and shows how Civilian Informational and Educational (ci&e) Films of the Supreme Commander, Allied Powers were produced for and utilized in Japan.
<b>NEUTRON DIFFRACTION</b>		<b>*NEW GUIDELINES FOR THE WELL-LANDSCAPED HOME</b>
9 min, 16mm film, optical sd, col Producer USAEC Title No. 002588	1964 Sale \$35.00	14 min, 16mm film, optical sd, col Producer USDA Title No. 003978
Describes the principles of neutron diffraction and the new fields of investigation involving diffraction effects. Compares waves lengths of thermal neutrons neutrons to X-rays used in the study of crystal structures, and contrasts their different scattering processes. Discusses the usefulness of neutron diffraction studies in determining the positions of light atoms in the crystal structure and in providing a unique for the study of magnetic orientation.	Describes the principles of neutron diffraction and the new fields of investigation involving diffraction effects. Compares waves lengths of thermal neutrons neutrons to X-rays used in the study of crystal structures, and contrasts their different scattering processes. Discusses the usefulness of neutron diffraction studies in determining the positions of light atoms in the crystal structure and in providing a unique for the study of magnetic orientation.	Shows examples of successful landscapes, various uses for trees, shrubs and flowers, and ideas for incorporating related materials into the overall design. Each step of proper landscaping is explained and elaborated for the viewer.
<b>NEUTRON IMAGE DETECTOR</b>		<b>NEW IDEAS ABOUT AN OLD DISEASE DIABETES MELLITUS</b>
6 min, 16mm film, optical sd, col Producer USAEC Title No. 002589	1965 Sale \$23.50	40 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002592
Describes a new vacuum tube developed by the Argonne National Laboratory Metallurgy Division and the Rauland Corporation, a subsidiary of Zenith Radio of Zenith Radio Corporation. The tube contains a neutron-sensitive screen one foot in diameter. It produces a brilliant image which may be viewed with a closed circuit television camera. Applications of the tube to neutron radiography and neutron motion pictures are illustrated.	Describes a new vacuum tube developed by the Argonne National Laboratory Metallurgy Division and the Rauland Corporation, a subsidiary of Zenith Radio of Zenith Radio Corporation. The tube contains a neutron-sensitive screen one foot in diameter. It produces a brilliant image which may be viewed with a closed circuit television camera. Applications of the tube to neutron radiography and neutron motion pictures are illustrated.	Presents many facets of diabetes, including its classification, its treatment with insulin and oral hypoglycemic agents, and the handling of the complication of peripheral vascular disease and infection. (Kinescope)
<b>NEVER AMONG STRANGERS</b>		<b>NEW JOB, THE</b>
14 min, 16mm film, optical sd, col Producer USMC Title No. 548407	1968 Agency No. MH10436 Sale \$56.50	20 min, 16mm film, optical sd, b&w Producer USIA Title No. 004356
Shows the training, job opportunities and liberty for prospective women Marine Corps recruits.	Shows the training, job opportunities and liberty for prospective women Marine Corps recruits.	Rental W/DRAWN Sale: W/DRAWN Focuses on the activities of private U S corporations which provide vocational training and jobs for underprivileged and undereducated men and women who live in ghettos of the United States.
<b>*NEVER TRUST ANYONE UNDER 60</b>		<b>*NEW LIFE FOR THE GREAT PLAINS</b>
60 min, 16mm film, optical sd, col Producer USSR Title No. 003091	1971 Sale \$200.00	12 min, 16mm film, optical sd, col Producer USDA Title No. 003979
Describes graphically problems on aging such as those discussed at the White House Conference on Aging isolation, abandonment, housing, etc.	Describes graphically problems on aging such as those discussed at the White House Conference on Aging isolation, abandonment, housing, etc.	Promotes the Great Plains Soil Conservation Program by showing the progress made in soil and water conservation in Baca County, Colorado.
<b>NEW LOOK AT AN OLD PLANET, A</b>		<b>26 min, 16mm film, optical sd, col</b>
		1969 Producer USNASA Title No. 002593
		Agency No. HQ 178 Sale \$103.75
		Highlights benefits of weather, communication, navigational and Earth satellites. Illustrates future potential uses of satellites in agricultural, oceanographic and natural resource studies. Narrated by Robert Landers.

\* INDICATES NEW ENTRY

**NEW LOOK AT FOG, A**

13 min, 16mm film, optical sd, col 1967  
 Producer USFAA Agency No. FA-0608  
 Title No. 002594 Sale \$52.50  
 Explains how marginal weather caused by fog is being researched at the University of California fog test chamber. Sponsored by the Federal Aviation Administration, the chamber is used primarily for different lighting patterns for airport approach, runway, touchdown, and centerline locations. Reveals the initial findings of the new chamber including the recently authorized 1800 foot runway visual range visibility condition.  
 CLEARED FOR TV.

**\*NEW NUMBERS, THE**

17 min, 16mm film, optical sd, col 1968  
 Producer USDA Agency No. 7271  
 Title No. 003980 Sale \$79.00  
 Describes the techniques and procedures used by USDA's statistical reporting service in making enumerative and objective surveys of crop yields. Emphasis is given to the procedures used in the field for counting, measuring and weighing plant characteristics associated with yield per acre of cotton, corn, wheat, and tree fruits.

**\*NEW PATTERNS ON THE LAND**

13 min, 16mm film, optical sd, col 1967  
 Producer USDA Agency No. 6242  
 Title No. 003981 Sale \$67.00  
 Conservation farming has brought 'new patterns on the land' to the American rural landscape. An explanation was needed for the curiosity of the traveling public who have seen these patterns, particularly from the air. Gives the story of modern farming and ranching in the pictorial setting so few of us really know.

**NEW POWER, THE**

45 min, 16mm film, optical sd, col 1967  
 Producer USAEC Agency No. 0220  
 Title No. 002595 Sale \$183.50  
 Explains how the National Reactor Testing Station in Idaho is furthering the Atomic Energy Commission's quest for economic nuclear power. Describes more than 40 experimental nuclear reactors.

**NEW SPIRIT FOR '76, A**

10 min, 16mm film, optical sd, col 1970  
 Producer USARBC  
 Title No. 002596 Sale \$48.00  
 Presents the highlights of President Nixon's remarks to the American Revolution Bicentennial Commission on October 8, 1969, charging them with the responsibility for planning the commemoration of the 200th anniversary of the U.S. Shows the ideas associated with the American Revolution and their implications for future generations.

**\*NEW START, A**

29 min, 16mm film, optical sd, col 1969  
 Producer USSR  
 Title No. 550599 Rental \$12.50 Sale \$175.00  
 Describes the life of an ex-prisoner before and after his rehabilitation. His counselor talks about his success in working with public offenders.  
 From the *TO LIVE AGAIN* series.

**NEW SUPERVISOR TAKES A LOOK AT HIS JOB, A**

13 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 150  
 Title No. 550625 Rental \$7.50 Sale \$23.75  
 Shows a machine tool operator who is made a group leader and his plant superintendent. Explains to him the meaning of working with people instead of machines.  
 From the *PROBLEMS IN SUPERVISION* series.

**\*NEW USES FOR FARM PRODUCTS**

20 min, 16mm film, optical sd, b&w 1959  
 Producer USDA Agency No. 1210-71 SPC  
 Title No. 003982 Sale \$43.00  
 Reviews highlights of U.S. Department of Agriculture researchers in their constant quest for new uses for many

products. Includes reports on instant mashed potatoes, improved cotton fabrics, starch research, better plastics, and other new and improved products at Beltsville, MD. And regional utilization and research development laboratories.

**\*NEW VIEW OF SPACE, A**

28 min, 16mm film, optical sd, col 1972  
 Producer USNASA Agency No. HQ 214  
 Title No. 002141 Sale \$117.25  
 Presents a visually dynamic look at the space program through the use of the photographic medium. Emphasizes how the visual image of photography has contributed toward many achievements in research and engineering, in space science and exploration, and in space benefits to mankind.

**NEW WATER FOR A THIRSTY WORLD**

22 min, 16mm film, optical sd, col 1965  
 Producer USGSW  
 Title No. 002598 Sale \$109.50  
 Tells of saline water conversion--its need, its workings, and its future potential.

**NEW WORK FOR GREENVILLE**

8 min, 16mm film, optical sd, col 1969  
 Producer USSR  
 Title No. 001599 Sale \$33.50  
 Shows job training for industrial survival in Greenville, Mississippi. Emphasizes the role of private industry in the rehabilitation process.

**\*NEWS STORY, A**

30 min, 16mm film, optical sd, col 1971  
 Producer USNIMH  
 Title No. 002142 Rental \$12.50 Sale \$81.50  
 Illustrates how a story makes its way to the television screen. Explains problems of research filming - editing and presentation. Shows the process to aid the teacher in developing powers of discrimination in dealing with the flood of information about drug use and the drug culture.  
 From the *SOCIAL SEMINAR* series.

**NGUNG LAJ**

26 min, 16mm film, optical sd, col 1967  
 Producer USCG  
 Title No. 552228 Sale \$105.50  
 Tells the story of vessel preparation, special personnel training, deployment and patrol operations of the twenty-six 82-foot cutters and their crews assigned to operation market time in South Vietnam.  
 CLEARED FOR TV.

**NIACIN-NITRATE REDUCTION TEST**

5 min, 16mm film, optical sd, col 1965  
 Producer USMAC Agency No. M-0772  
 Title No. 552225 Sale \$19.50  
 Demonstrates a rapid test for identifying M. Tuberculosis. This procedure is based on the ability of M. tuberculosis both to produce niacin and to reduce nitrates to nitrites, an ability possessed by no other pathogenic mycobacteria.

**NIGHT ON JACKRABBIT MESA, A**

23 min, 16mm film, optical sd, col 1967  
 Producer USAF Agency No. SFP 1392  
 Title No. 002600 Sale \$78.25  
 Shows civil officials what to do in case of off base military aircraft accidents. Explains how souvenir hunters can hamper investigating teams.  
 CLEARED FOR TV.

**NIGHT PILOTING, SURFACE**

18 min, 16mm film, optical sd, b&w 1944  
 Producer USN Agency No. MN00063U  
 Title No. 002601 Sale \$32.00  
 Studies a night piloting problem and shows the procedure of bringing the U.S.S. Savannah into a harbor at night.

**NIGHTMARE FOR THE BOLD**

53 min, 16mm film, optical sd, b&w 1959  
 Producer USAF Agency No. TF1-5301  
 Title No. 002802 Sale \$92.50  
 Dramatizes events in the life of a fictional man, Mike Adams,

who must learn to live with a lifetime of regret as the result of an automobile accident.

\*NINE FROM LITTLE ROCK.

20 min, 16mm film, optical sd, b&w 1964  
Producer USIA

Title No. 553310 Rental: W/DRAWN Sale: W/DRAWN  
Summarizes the individual achievements of the nine Negro students in Central High School in Little Rock, Arkansas following integration of the School in 1957. Their progress since these events and the effects on their future are related by personal narrative accounts. Their reaction in 1957 and their success in continuing their educations at that time are highlighted.

\*NINE OUT OF TEN

31 min, 16mm film, optical sd, col 1971  
Producer USDA Agency No. 10034  
Title No. 002213 Sale \$152.00

Features service wide fire prevention problems of debris burning, industrial fires, and recreation fires. The training message involves 10 essentials for improving fire prevention and how to apply them.

\*NINETEEN HUNDRED FIFTY-FIVE ERUPTION OF KILAUEA VOLCANO, HAWAII

12 min, 16mm film, optical sd, col 1958  
Producer USGS

Title No. 003115 Sale \$43.00  
Features the eruption of Kilauea Volcano, Hawaii in 1955 from the first appearance of fissures that formed along the rift zone, through the appearance of lava, to great pillars of rising steam generated as the lava river plunges into the sea.

NO GREATER CHALLENGE

14 min, 16mm film, optical sd, col 1969  
Producer USAEC Agency No. 0440  
Title No. 001487 Sale \$48.50

Shows man's historic and growing hunger for water and a dramatic solution to this great challenge--the agro-industrial complex. With the nuclear reactor as the energy source, and the desalting plant as the fresh water source, tomorrow's coastal deserts may be transformed into self-sustaining mammoth nuclear powered agro-industrial centers consisting of farms and industrial plants.

NON-ROOT FEEDING OF PLANTS

21 min, 16mm film, optical sd, col 1958  
Producer USAEC Agency No. 0221  
Title No. 002604 Sale \$87.50

Describes the techniques of applying nutrients to the visible, above-ground portion of plants. Discusses the method of tracing the nutrients through the plant's system by means of radioisotopes.

NON-VERBAL COMMUNICATION

27 min, 16mm film, optical sd, b&w 1952  
Producer USVA  
Title No. 002605 Sale \$47.00

Discusses the recognition of the clues of nonverbal communication and the manner in which these clues can be used in an interview situation to obtain information and to further therapy. Illustrates the various points through pictures, with subtitles of actual unrehearsed interview situations.

NORMAL HEART SOUNDS AND INNOCENT HEART MURMURS - A STETHOSCOPIC STUDY, PTS 1 AND 2

41 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0625  
Title No. 002606 Sale \$136.75

Provides the student with a foundation for the successful analysis of heart sounds and murmurs. It is also a visual-sound aid to understanding normal cardiac auscultation and to interpretation of cardiac events.

NORMANDY INVASION

19 min, 16mm film, optical sd, b&w 1944  
Producer USCG  
Title No. 555895 Sale \$38.00  
Photographic record by U S Coast Guard combat photographers of the preparations for and the invasion of Europe in 1944.

NORTHWEST U.S.A

22 min, 16mm film, optical sd, b&w 1945  
Producer USOWIO  
Title No. 002607 Rental \$7.50 Sale \$48.25  
Reviews the resources, industries, and people of Oregon and Washington.  
From the AMERICAN SCENE series, No. 10

NORWAY RAT, HABITS AND CHARACTERISTICS, THE

18 min, 16mm film, optical sd, b&w 1953  
Producer USPHS Agency No. M-0037.1B  
Title No. 556890 Sale \$32.00  
Explains and pictures the characteristics and habits of the Norway rats--their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can man control them.

NOSE, THE

14 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. M-1718  
Title No. 006439 Sale \$58.25  
Presents an appraisal of the external appearance, vestibule, mucosa, nasal septum, and structures of the lateral wall.

NOT BY MAGIC

14 min, 16mm film, optical sd, col  
Producer USGSA  
Title No. 557395 Sale \$63.25  
Portrays the function of the General Services Administration's Federal Supply Service.

NOT SICK ENOUGH

11 min, 16mm film, optical sd, col 1969  
Producer USSR  
Title No. 002608 Sale \$43.00  
Depicts the special problem of mental illness in the unnoticed neurotic.

NOTHING FOR GRANTED

29 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10825  
Title No. 002609 Sale \$115.50  
Describes the Navy Operational Test and Evaluation Force and procedures for testing and evaluating systems and equipment programmed for future Navy use.

NOVEL METHODS OF FUEL FABRICATION

14 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002610 Sale \$72.75  
Describes cold closure, a process for the cladding of solid uranium fuel in aluminum by sizing a heavywalled cup, then cold welding. Illustrates electron beam welding, a process utilizing electrons accelerated through a vacuum.

NOW 'AIRPORT'

11 min, 16mm film, optical sd, b&w 1967  
Producer USA Agency No. 01-11435  
Title No. 558600 Rental: W/DRAWN Sale: W/DRAWN  
Presents an impressionistic study of Kennedy Airport as a hub of perpetual international motion. Uses a rapidly-paced series of images to portray the charged atmosphere of urgency, excitement, glamor and anxiety. Reveals the complex logistics and machinery that must function continuously to maintain daily operation.

NOW SCENE, THE

14 min, 16mm film, optical sd, col 1969  
Producer USAF Agency No. NS 1  
Title No. 002611 Sale \$58.25  
Shows U S Air Force demonstrations and facilities--such as buildings suspended on coils inside mountains where the

huge underground complex of the North American Air Defense Command (NORAD) is located, the thunderbirds and their spectacular F4E Phantom 2 demonstrations, and life at Oxnard AFB where fighter-interceptor squadrons are trained. Depicts the life and activities of men who become our combat pilots, and highlights missions of the flight nurses.

CLEARED FOR TV.

#### NOW WE ARE FREE

26 min, 16mm film, optical sd, b&w 1957

Producer USIA

Title No. 004357 Rental W/DRAWN Sale: W/DRAWN

Follows a hungarian family from Budapest, first to Austria, then to Camp Kilmer in New Jersey, and finally to resettlement in a midwest city in the U.S.

#### NUCLEAR NAVY, THE

28 min, 16mm film, optical sd, col 1967

Producer USN Agency No. MN10101

Title No. 558920 Sale \$94.50

Tells the story of the Navy's development of nuclear power and its application in long-range submarines and the growing nuclear surface force. Narrated by Frank Blair.

#### NUCLEAR POWER AND THE ENVIRONMENT

14 min, 16mm film, optical sd, col 1969

Producer USAEC

Title No. 558924 Sale \$44.00

Dramatizes the problems that stem from the growing demands for electricity in the U.S., demands which are doubling every ten years. To meet these future needs, the most practical means of producing power in large amounts is to build steam-powered electrical power plants--both fossil-fuel and nuclear. The great care taken in studying and controlling effects of nuclear power plants on the environment is discussed. Environmental surveys are conducted to predict and control effects on fish life, ecology and hydrology.

#### NUCLEAR POWER FOR SPACE - SNAP-9A

12 min, 16mm film, optical sd, col 1963

Producer USAEC Agency No. 0226

Title No. 002612 Sale \$49.00

Shows the launching of a new satellite, which is being wholly powered by a nuclear generator, animation is used to explain the use of its isotopic generator to create power to run electronic equipment, and transmit data back to Earth for analysis. The advantages of nuclear energy are shown over the use of chemical energy and solar energy.

#### NUCLEAR PROPULSION IN SPACE

24 min, 16mm film, optical sd, col 1968

Producer USNASA Agency No. HQ 152

Title No. 002613 Sale \$99.75

Shows how a nuclear third stage for the Saturn 5 launch vehicle will greatly increase its performance, why the nuclear rocket uses propellant about twice as efficiently as our best chemical rockets, and how the nuclear engine will work.

#### NUCLEAR REACTOR FOR SPACE

17 min, 16mm film, optical sd, col 1961

Producer USAEC

Title No. 002614 Sale \$66.75

The SNAP program-systems for Nuclear Auxiliary Power is an AEC program to develop long-lived auxiliary Power from nuclear energy for use in satellites and space vehicles. Compact atomic reactors being developed by Atomics International for use in SNAP systems are shown.

#### NUCLEAR REACTOR SPACE POWER SYSTEMS

8 min, 16mm film, optical sd, col 1964

Producer USAEC Agency No. 0230

Title No. 002615 Sale \$32.00

Summarizes the program aimed at developing nuclear reactor power supplies for large space vehicles. Reviews the reliability, high power levels, long unattended operating life, and safety characteristics of space nuclear power systems.

#### NUCLEAR SHIP SAVANNAH

20 min, 16mm film, optical sd, col 1960

Producer USIA Agency No. 01-02587

Title No. 004358 Rental: W/DRAWN Sale: W/DRAWN  
Uses live action, animation and models to explain the construction of the first U.S. nuclear-powered commercial ship, the Savannah. Stresses the safety and dependability of this ship that can sail around the world without refueling. Depicts the work of subcontractors in many states. Includes participation of Mrs Nixon at the laying of the keel and of Mrs Eisenhower at the christening ceremony.

#### NUCLEAR SHIP SAVANNAH, THE

10 min, 16mm film, optical sd, col 1967

Producer USAEC

Title No. 002628 Sale \$37.75

Reviews America's maritime growth, starting with May 22, 1819, and the story of the N.S. Savannah. Explains the design of the N.S. Savannah and its atomic reactor and propulsion system. Covers various phases of the ship's construction and the assembling and testing of the reactor describes the special training of the crew, shows the sea trials of the ship, and follows the trip of the N.S. Savannah to her first port of call at Savannah, GA., followed by the other voyages. Includes a statement by President Lyndon B. Johnson on the significance of the nuclear ship Savannah.

OTHER FORMAT(S) OR VERSION(S)

29 min, 16mm film, optical sd, col 1967

Producer USAEC

Title No. 002616 Sale \$97.75

#### NURSE COMBATS DISEASE, THE

12 min, 16mm film, optical sd, col 1962

Producer USNMAC Agency No. M-0543

Title No. 002617 Sale \$42.00

Shows the ways in which nurses safeguard the public, by understanding the transmission of disease and measures necessary to prevent disease and promote recovery from illness.

#### NURSING CARE OF THE SICK AND INJURED

28 min, 16mm film, optical sd, col 1965

Producer USNMAC Agency No. M-0804

Title No. 002618 Sale \$93.00

Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.

From the MEDICAL SELF-HELP series.  
REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, 6535 BELCREST ROAD, WEST HYATTSVILLE, MARYLAND 20782. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO N.A.C.

#### \*NURSING SCIENCE, THE

12 min, 16mm film, optical sd, col 1972

Producer USNIMH

Title No. 003098 Sale \$52.50

Describes the nursing profession, what nurses do, their specialties, the kind of training they need, and the courses they should take in high school. Directed at young black students and intended for use as part of the Youth Opportunities Unlimited recruitment program.

#### NURSING SERVICE IN THE NAVY - THE WARD NURSE

16 min, 16mm film, optical sd, b&w 1954

Producer USN Agency No. MN09225C

Title No. 002619 Sale \$28.50

Explains the major responsibilities of a ward nurse in a naval hospital--those bearing directly on the care of individual patients and those involved in the management of the ward as a unit.

#### NUTRITION SURVEY - REPUBLIC OF COLOMBIA

28 min, 16mm film, optical sd, col 1960

Producer USNMAC Agency No. M-0447

Title No. 002629 Sale \$94.50

Documents a nutritional survey of the population of Colombia

\* INDICATES NEW ENTRY

and shows findings, routines, and problems involved in staging such a survey.

#### NUTRITION SURVEY - REPUBLIC OF LEBANON

21 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0516  
Title No. 002620 Sale \$71.50  
Documents a nutritional survey of the population of Lebanon by a team of nutritional scientists of Interdepartmental Committee on Nutrition for National Development. In co-operation with the government of Lebanon, various nations agencies, and U. S. missions, such as United Nation Relief and Works Agency for Palestine refugees in the Near East and Food and Agricultural Organization. Appraisal was made of the health of the people, food availability, dietary patterns, food technology and the physical and biochemical status of representative food samples taken from various segments of the population.

#### OAK RIDGE NATIONAL LABORATORY AND ITS SCIENTIFIC ACTIVITIES

17 min, 16mm film, optical sd, col 1967  
Producer USAEC Agency No. 0234  
Title No. 002621 Sale \$72.25  
Surveys the numerous and varied activities and facilities at the Atomic Energy Commission's Oak Ridge National Laboratory, including activities involving nuclear research, fundamental and applied research in all fields of science, and research on the central technical problems of society.

#### OAK RIDGE RESEARCH REACTOR

20 min, 16mm film, optical sd, col 1958  
Producer USAEC Agency No. 0236  
Title No. 002622 Sale \$89.00  
Describes the components, facilities, uses and operation of the Oak Ridge research reactor-a tank type, heterogeneous reactor, immersed in a pool, designed to operate at 20 to 30 MW.

#### OBESITY

40 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. T-1844-X  
Title No. 000630 Sale \$80.25  
Compares function of caloric input and expenditure in normal man and obesity. (Kinescope)

#### OBJECT LESSON IN FIRE PREVENTION, AN

21 min, 16mm film, optical sd, b&w 1950  
Producer USN Agency No. MN06896  
Title No. 561040 Sale \$37.00  
Explains the fire hazards in aviation overhaul and repair shops, and the importance of protective measures. Primarily for management and supervisory personnel.

#### OBSTRUCTIVE LUNG DISEASE

40 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1842-X  
Title No. 000631 Sale \$78.50  
Shows bronchitis, asthma, and emphysema as major health hazards with air pollution, smoking, and industrial irritants, infection, and allergy as the chief causes, and respiratory and cardiac failure the most serious complications. Recommends early diagnosis and hospital treatment. (Kinescope)

#### OCCLUSAL ADJUSTMENT, PT 1, CENTRIC

17 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. D-118  
Title No. 561363 Sale \$63.75  
Shows indications, principles and methods for adjustment of occlusion to optimal freedom and stability, both in centric relation and centric occlusion. Step-by-step procedure includes articulation and intra-oral demonstration.

#### OCCLUSAL ADJUSTMENT, PT 2, LATERAL AND PROTRUSIVE EXCURSIONS

12 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. D-119  
Title No. 561364 Sale \$48.50  
Illustrates adjustment of occlusal interferences in various excentric contact relations by means of mounted casts and

by intra-oral recording. Explains to what extent excentric movement patterns should be adjusted.

#### OCCUPATIONAL THERAPY EVALUATION OF THE HEMI-PLEGIC PATIENT

11 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1108  
Title No. 002623 Sale \$35.75  
Demonstrates techniques and methods for the occupational evaluation of hemiplegic patients prior to initiating therapy.

#### OCCUPYING A PUBLIC SHELTER

24 min, 16mm film, optical sd, b&w 1968  
Producer USOCD Agency No. DODCD20-234  
Title No. 561380 Sale \$93.75  
Depicts group life in a simulated shelter, indicating some of the situations which may be expected and the effects on shelter occupants.

#### OCEAN PHENOMENON - THE DEEP SCATTERING LAYER

29 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10524  
Title No. 561701 Sale \$115.50  
Describes the search for the cause of sound reflecting layers of marine life living in the oceans of the world and how new information has helped in solving this mystery.

#### OCEANOGRAPHIC PREDICTION SYSTEM

20 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10167  
Title No. 561855 Sale \$102.75  
Shows oceanographic prediction systems and programs, and their relationship to defense and economic needs. Tells how predictions increase the use of oceanographic data for a fuller understanding and exploitation of the seas.

#### OCEANOGRAPHIC RESEARCH WITH THE COUSTEAU DIVING SAUCER

27 min, 16mm film, optical sd, col 1966  
Producer USN Agency No. MN10363  
Title No. 561860 Sale \$91.25  
Describes how Naval Electronics Laboratory scientists made use of the souscoupe and sous-marine over a period of six months.

#### OCEANOGRAPHY-SCIENCE FOR SURVIVAL

3 min, 16mm film, optical sd, col 1964  
Producer USN Agency No. MN09835A2  
Title No. 000632 Sale \$94.50  
Shows the roles of the Navy within the framework of the Inter-agency Committee on Oceanograph's numerous projects on oceanography.

#### \*OCS - OFFICER CANDIDATE SCHOOL

28 min, 16mm film, optical sd, col 1972  
Producer USN Agency No. MN-10500  
Title No. 002144 Sale \$113.50  
Shows a dynamic and intimate personal profile of men enrolled in the training that prepares them to serve as officers through the Naval Officer Candidate School Program.

#### ODE TO JOY

28 min, 16mm film, optical sd, col 1968  
Producer USOE  
Title No. 562100 Rental \$12.50 Sale \$113.50  
Shows that the development of rhythm and appreciation for music is natural and progressive. Shows children playing percussion instruments, attending live concerts, opera, and ballet. Also, shows them participating in school orchestra and choral groups. Alternates between scenes of children participating in project activities and scenes relating the music to their total environment.

#### OF MAN AND MATTER

29 min, 16mm film, optical sd, col 1963  
Producer USAEC Agency No. 0238  
Title No. 004678 Sale: W/DRAWN  
Describes the design, development, and operation of the alternating gradient synchrotron at the Brookhaven National Laboratory. Demonstrates the function of various major components of the accelerator and explains how high energy

protons produced in the machine are used in physical research. Shows an experiment in which photographs taken of the interaction between particle beams and the target nuclei are scanned and analyzed. Features a lecture by a Brookhaven physicist on the importance of alternating gradient synchrotrons.

#### OF WINGS AND WOMEN

15 min, 16mm film, optical sd, col 1966  
 Producer USAF Agency No. SFP 1226  
 Title No. 002624 Sale \$51.75  
 Portrays history, contributions and traditions of the Women's Air Force. Points out the career opportunities available to eligible women and depicts educational, occupational and, social aspects of life as a WAF.  
 CLEARED FOR TV.

#### OFF-SITE MONITORING OF FALLOUT FROM NUCLEAR TESTS

29 min, 16mm film, optical sd, col 1958  
 Producer USNMAC Agency No. M-0309  
 Title No. 562447 Sale \$97.75  
 Shows the radiological safety activities of the U S Public Health Service carried on at the off-site area of the Atomic Energy Commission test in Nevada.

#### \*OH MY ACHING BACK

21 min, 16mm film, optical sd, col 1965  
 Producer USBM  
 Title No. 003550 Sale \$87.50  
 Shows the workmen the correct method of lifting, including good posture, position, and smooth application of lifting power. Illustrates how strains occur and how discs are "pinched" by the flexible training human models. Emphasizes the need for proper lifting and handling of working tools and materials.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4600 FORKES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### OHM'S LAW

20 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-118  
 Title No. 000834 Sale \$42.50  
 Defines Ohm's law, and discusses three forms of the formula. Explains the terms (unknowns) of E, I, and R. Demonstrates methods of finding current (I), voltage (e), or resistance (r) when the other two quantities are known. (Kinescope)

#### OHM'S LAW

21 min, 16mm film, optical sd, b&w 1964  
 Producer USA Agency No. TF11-3396  
 Title No. 563800 Sale \$37.00  
 Presents a brief study of electronics with particular focus on the theory and application of Ohm's law.

#### OIL GEAR HYDRAULIC TRAVERSING MECHANISM, THE - PRINCIPLES OF OPERATION

22 min, 16mm film, optical sd, b&w 1944  
 Producer USA Agency No. TF09-1376  
 Title No. 563920 Sale \$38.50  
 Shows by means of working models and animation how the oil gear traverse mechanism operates, and the path and functioning of oil through an elevated mechanism.

#### OLD GLORY

28 min, 16mm film, optical sd, col 1960  
 Producer JSDOD Agency No. AFIF 0099  
 Title No. 564325 Sale \$94.50  
 Describes the evolution of the U S flag from the English banner flown at Jamestown in 1607 to the fifty-star flag of 1960.

#### \*OLD YOUNG MAN

27 min, 16mm film, optical sd., col 1969  
 Producer USIA Agency No. 01-11470  
 Title No. 004365 Rental: W/DRAWN Sale: W/DRAWN  
 Portrays Bill Bradley, basketball star in his school days, Rhodes Scholar, member of the New York Knickerbockers

professional team and volunteer worker in the Harlem ghetto, as he sees himself and sorts out his thoughts concerning his past and his future.

#### OMNI FUEL ELEMENT REMOVAL AND SECOND CORE LOADING

15 min, 16mm film, optical sd, col 1959  
 Producer USAEC  
 Title No. 002630 Sale \$108.00  
 Reports on the organic moderated reactor experiment, an experimental nuclear power project conducted by Atomics International for the AEC at the National Reactor Testing Station Idaho.

#### ON THE COAST SHORES

25 min, 16mm film, optical sd, b&w 1945  
 Producer USCG  
 Title No. 565047 Sale \$53.50  
 Reviews the 1941-1945 wartime activities of the U S Coast Guard in battle zones. Includes scenes of ten invasions in which the Coast Guard participated.

#### ON POST SAFETY

22 min, 16mm film, optical sd, b&w 1952  
 Producer USA Agency No. TF30-1735  
 Title No. 000494 Sale \$48.25  
 Promotes on-duty accident prevention philosophy, analyzes average accidents, and gives common causes of accidents and individual responsibility.  
 CLEARED FOR TV.

#### ON THE ICE

28 min, 16mm film, optical sd, col 1968  
 Producer USNSF  
 Title No. 565635 Rental \$12.50 Sale \$108.00  
 Documents the work of the United States Antarctic Research Program. Includes views of scuba divers swimming with seals under the ice, tunneling into a glacier to measure its movement, studying human adaptation at the South Pole, and observing the social behavior of penguins.

#### ONCE TO MAKE READY

8 min, 16mm film, optical sd, col 1967  
 Producer USOCD Agency No. DODCD05-258  
 Title No. 566020 Sale \$27.75  
 Explains to the average citizen what it can mean to him personally when his local government undertakes a CSP program to provide the best available protection for all its citizens.  
 CLEARED FOR TV.

#### \*ONCHOCERCIASIS

6 min, 16mm film, optical sd, col 1962  
 Producer ILDS  
 Title No. 004359 Rental: W/DRAWN Sale: W/DRAWN

#### \*ONCHOCERCIASIS IN GHANA

31 min, 16mm film, optical sd, col 1967  
 Producer USNMAC Agency No. M-1543X  
 Title No. 002145 Sale \$125.00  
 Explains the life cycle of the African vector on onchocerciasis, simulium damnosum theobaldi, the development of the parasite onchocerca volvulus in the fly and human host and their relationship to blindness in Ghana.

#### ONE BITE AT THE APPLE

38 min, 16mm film, optical sd, col 1970  
 Producer USFSS  
 Title No. 000251 Sale \$152.75  
 Stresses familiarization with procurement procedures relative to contracting by formal advertising. A discussion between a disappointed bidder and a procurement agent sets the scene for procedural review including the role of the Federal Supply Service.

#### \*ONE BUG IS TOO MANY

22 min, 16mm film, optical sd, col 1964  
 Producer USDA Agency No. 1572  
 Title No. 566300 Sale \$98.00  
 Discusses how tuberculosis was found in a slaughtered animal at a packing plant and how the animal was traced to

the owner, leading to the discovery of the disease in other animals and herds. explains the State-federal Cooperative TB Eradication Program to eliminate tuberculosis from livestock, particularly cattle.

#### ONE HUNDRED FIFTIEN - DEADLY SHIPMATE

19 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. MN 8990  
Title No. 002632 Sale \$65.00

Portrays the story of Joe, who is representative of all sailors. Dramatizes actual incidents to emphasize the disastrous effects of low voltage electrical shock when the basic rules of electrical safety are violated or ignored.

#### ONE MAN - DR DE BAKEY

11 min, 16mm film, optical sd, col 1968  
Producer USIA Agency No. 01-11665  
Title No. 004360 Rental: W/DRAWN Sale: W/DRAWN

Tells the story of dr Michael De Bakey, world-renowned heart specialist and innovator of surgical techniques and materials for building body organs. Depicts typical daily activities of DR De Bakey, who is the son of Lebanese immigrants. Also shows him with his young aides experimenting with new equipment and materials.

#### ONE MAN - DR ROBERT SIMPSON

10 min, 16mm film, optical sd, col 1969  
Producer USIA Agency No. 01-01667  
Title No. 004361 Rental: W/DRAWN Sale: W/DRAWN

Features dr Robert Simpson and his work as Director of the National Hurricane Watch Center at the University of Miami, where hurricanes originating in the Southeast Atlantic are tracked and warnings are issued.

#### ONE MAN - FLOYD HYDE

10 min, 16mm film, optical sd, col 1969  
Producer USIA Agency No. 01-11678  
Title No. 004362 Rental: W/DRAWN Sale: W/DRAWN

Depicts the story of Floyd Hyde, the dynamic 45-year-old artist-attorney, who is mayor of Fresno, California, a city of 180,000 whose economy depends upon the income from its surrounding rural areas.

#### ONE MAN - HAYES JONES

10 min, 16mm film, optical sd, col 1968  
Producer USIA Agency No. 01-11711  
Title No. 004363 Rental: W/DRAWN Sale: W/DRAWN

Tells the story of Hayes Jones, an American Negro Olympic star, who administers 900 parks and supervises 12,000 employees in his job as New York City's Commissioner of Recreation. Depicts his activities on a typical working day.

#### ONE MAN - JOSE GONZALES

10 min, 16mm film, optical sd, col 1968  
Producer USIA Agency No. 01-11628  
Title No. 004364 Rental: W/DRAWN Sale: W/DRAWN

Tells the story of Jose Gonzales, a 12-year-old Puerto Rican newspaper delivery boy in Chicago, Illinois. Depicts early difficulties on the job, quick progress in learning his trade and the happy occasion when he arrives at home with his first pay check.

#### ONE MAN - LYN MCCLAIN

10 min, 16mm film, optical sd, col 1969  
Producer USIA Agency No. 01-11627  
Title No. 004365 Rental: W/DRAWN Sale: W/DRAWN

Depicts the work of Lyn McLain as the founder and director of the District of Columbia Youth Symphony, one of the most extraordinary musical groups in the U.S. It is composed of children, ages eight to 17, from all walks of life who voluntarily use their Saturdays for the serious study of music.

#### ONE MAN - REVEREND LEON SULLIVAN

10 min, 16mm film, optical sd, col 1969  
Producer USIA Agency No. 01-13503  
Title No. 004366 Rental: W/DRAWN Sale: W/DRAWN

Tells the story of Reverend Leon Sullivan, who has inspired thousands of school dropouts and potential criminals to become useful citizens. Describes the Opportunities Industrialization Center (OIC), which he organized to train men and women of the ghetto.

#### ONE MAN - WALTER SPIEL

10 min, 16mm film, optical sd, col 1968  
Producer USIA Agency No. 01-11679

Title No. 004367 Rental: W/DRAWN Sale: W/DRAWN  
Tells the story of Walter Spiel, a 62-year-old news vendor of American and foreign papers and magazines at a Los Angeles street corner stand. Depicts his customers choosing their purchases and gives biographical information about 'WILLY', who emigrated from Canada.

#### \*ONE MAN FLAIL TRENCHER

15 min, 16mm film, optical sd, col 1968  
Producer USDA Agency No. 3476

Title No. 003983 Sale \$67.00

A one man fireline trencher is airdropped to a fire crew and demonstrated by them. They assemble the trencher and apply it to fireline construction in a typical forest fire situation. Special emphasis is given to ways of making one or more trenchers speed the work of a line construction and holding crew.

#### ONE WEEK IN OCTOBER

29 min, 16mm film, optical sd, b&w 1961  
Producer USOCD Agency No. DODCD20-223

Title No. 002631 Sale \$50.25

Tells the story of the Cuban missile crisis. Narrated by Gary Merrill.  
CLEARED FOR TV.

#### \*ONLY A BUNCH OF TOOLS

28 min, 16mm film, optical sd, col 1949  
Producer USDA Agency No. 1053

Title No. 567750 Sale \$126.00

Demonstrates in story from the use of small tools in fire fighting, and how training in the use of such tools saved a house and wood lot from destruction.

#### OPEN FRACTURES

24 min, 16mm film, optical sd, col 1959  
Producer USVA

Title No. 568060 Sale \$81.50

Discusses in detail various methods of reducing fractures and emphasizes the importance of preventing infection and additional damage to soft tissues during fracture management. The importance of restoring blood loss, alleviating pain, and treating for shock is demonstrated.

#### OPEN REDUCTION AND FIXATION - FRACTURE OF MANDIBLE AT THE ANGLE - THE SUBMANDIBULAR...

16 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-89

Title No. 002633 Sale \$55.25

FULL TITLE--OPEN REDUCTION AND FIXATION, FRACTURE OF MANDIBLE AT THE ANGLE - THE SUBMANDIBULAR APPROACH. Shows the open reduction and fixation of a mandibular fracture at the angle by the submandibular approach is demonstrated.

\*In Production-Request Price

#### OPEN SPACE

28 min, 16mm film, optical sd, col 1969  
Producer USHUD

Title No. 568146 Sale: W/DRAWN

Illustrates the urgent need for acquiring open space in rapidly growing urban areas. Stresses the importance of correctly using present urban open spaces, and urges community groups to create new recreational areas in inner cities and suburbs.

#### OPEN WIRE TRANSPOSITION SYSTEMS

17 min, 16mm film, optical sd, b&w 1954  
Producer USA Agency No. TF11-1959

Title No. 568160 Sale \$30.50

Illustrates and explains the need for transpositions, how they improve communication, and the construction of various types of physical or single-point transpositions.

<b>*OPEN-PIT MINING HAZARDS</b>		
17 min, 16mm film, optical sd, col Producer USBM Title No. 004145	1967	
Accidents involving dump trucks, power shovels, front-end loaders, rail haulage, and highwall blasting are staged to show what happens from workers' carelessness, when safety precautions are overlooked, or where unsafe machinery and mining methods are used. Explains why the accidents happened, and then emphatically stresses the correct and safe way of performing various mining jobs to prevent future accident occurrence.	Sale \$68.00	
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF INDIVIDUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.		
<b>OPERATING EXPERIENCE - DRESDEN</b>		
10 min, 16mm film, optical sd, col Producer USAEC Title No. 002635	1964	
Reports on the routine-day operation of the Dresden Nuclear Power Station, reviewing the success of the operating experience of the boiling water nuclearelectric-power Station in terms of dependability, safety, and ease of operation and maintenance.	Sale \$36.00	
<b>OPERATING EXPERIENCE - HALLAM</b>		
10 min, 16mm film, optical sd, col Producer USAEC Title No. 002636	1964	
Describes the operation of the 79-megawatt electric Hallam Nuclear Power Station which is powered by a 252-megawatt sodium-graphite reactor. Demonstrates Hallam's heat transfer cycle and plant-operation features, including fuel transfer and sodium handling.	Sale \$32.22	
<b>OPERATING EXPERIENCE - INDIAN POINT</b>		
10 min, 16mm film, optical sd, col Producer USAEC Title No. 002637	1964	
Surveys the design, construction, and operation of the Indian Point Power Station which serves metropolitan New York. Describes and explains some of the theoretical concepts and operating characteristics of the world's first station to use thorium as the fertile material. Includes core experiments, core design and models, as well as scenes of the operational plant facilities.	Sale \$33.75	
<b>OPERATING EXPERIENCE - YANKEE</b>		
10 min, 16mm film, optical sd, col Producer USAEC Title No. 002638	1964	
Examines the various plant features and performance data of the nuclear power station that is operated by the Yankee Atomic Electric Company.	Sale \$40.50	
<b>OPERATING ROOM DEATHS</b>		
28 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 002639	1970	
Discusses operating room deaths due to diagnostic or therapeutic procedures which have not been properly controlled, for example--perforation of the bowel with a barium enema, perforation of the trachea during an attempt to remove an obstruction, transfixion of the trachea during an attempt to remove an obstruction, and traumatic death due to explosion of anesthetic gases. (Kinescope)	Agency No. T-1902 Sale \$58.50	
<b>OPERATION AFFIRMATIVE</b>		
14 min, 16mm film, optical sd, col Producer USN Title No. 002640	1970	
The importance of the Ready Reserve is emphasized when a Naval Reserve destroyer crew is called to duty to track a Russian fishing trawler off the coast of Seattle, Washington.	Agency No. MN10419B Sale \$58.25	
<b>*OPERATION BREAKTHROUGH</b>		
12 min, 16mm film, optical sd, col Producer USDHUD Title No. 003516	1972	
Discusses the HUD program instituted in 1969 to 'break-through' the barriers that have prevented industrialized housing from emerging as a major industry in the U.S.	Sale \$50.50	
<b>OPERATION CUE (REVISED)</b>		
14 min, 16mm film, optical sd, col Producer USOCD Title No. 002642	1964	
Points out the contrast between the Nevada Test in 1955 and present nuclear devices, then continues as a documentary report on the Operation Cue exercise of 1955. CLEARED FOR TV.	Agency No. DODCD20-232 Sale \$48.50	
<b>OPERATION GREENHOUSE</b>		
25 min, 16mm film, optical sd, col Producer USAEC Title No. 002643	1952	
Describes the scientific and technical operations of the Atomic Energy Commission during the nuclear weapons test at Eniwetok in the spring of 1951. Depicts blast and thermal effects of the explosions on different types of structures.	Sale \$150.50	
<b>OPERATION HEAD START</b>		
28 min, 16mm film, optical sd, b&w Producer USHS Title No. 588790	1966	
Presents a comprehensive study of the program. Includes a sampling of the activities necessary for a good Head Start program, including--guidance for the child's social, emotional and intellectual growth, as well as medical and dental care, and parent, teacher, and volunteer involvement. Shows scenes of poverty extant in urban and rural ghettos.	Sale \$38.00	
<b>OPERATION IVY</b>		
28 min, 16mm film, optical sd, col Producer USAEC Title No. 002644	1954	
Documents the 'MIKE' thermonuclear test at the USAEC Pacific Proving Grounds in 1952. It includes introduction remarks by former President Dwight D. Eisenhower.	Sale \$155.00	
<b>OPERATION LONG SHOT</b>		
13 min, 16mm film, optical sd, col Producer USAEC Title No. 004368	1966	
Reports on an underground nuclear test in the fall of 1965 in the Aleutian Islands which was part of the Vela uniform series of experiments to increase U.S. capability to detect, identify, and locate underground nuclear detonations at intercontinental ranges. Follows the step involved in Operation Long Shot to investigate the possible travel-time anomalies associated with seismic events occurring in island-arc structures.	Sale \$58.50	
<b>OPERATION NOAH</b>		
29 min, 16mm film, optical sd, b&w Producer USA Title No. 002645	1955	
Describes the work of the U.S. Armed Services, particularly the Army Engineers, in the rehabilitation of the regions in Northeastern United States hit by flash floods in the summer of 1955.	Agency No. MF45-8815 Sale \$50.25	
<b>OPERATION OF JET AIRCRAFT ENGINES</b>		
18 min, 16mm film, optical sd, b&w Producer USN Title No. 002646	1949	
Illustrates principles of jet propulsion by Newton's law of action and shows its application to jet engines. Shows operating principles of the reciprocating engine to produce horsepower and thrust power, and demonstrates the application of jet propulsion in rockets and aircrafts.	Agency No. MN05396A Sale \$32.00	

**OPERATION OF THE GM UNIT INJECTORS**

4 min, 16mm film, optical sd, b&w 1958  
Producer USA Agency No. TF55-256J  
Title No. 002647 Sale \$9.50  
Shows construction, function and operation of unit, including functions, location and operations of components, flow of fuel through unit to engine, and importance of proper maintenance.

**\*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION**

- INSTRUCTOR'S COURSE  
24 2x2 slides, silent, col 1972  
Producer USEPA  
Title No. 002147 Sale \$10.00  
Presents a one day session to train supervisors who are directly in charge of refuse collection operations. Slides are accompanied by 30 page instructor's manual.

**\*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION**

- TRAINING COURSE  
241 2x2 slides, silent, col 1972  
Producer USEPA  
Title No. 002148 Sale \$20.00  
Provides the supervisor instructional materials to train his staff in the safe methods of refuse collection. Slides are accompanied by 144 page training manual.

**\*OPERATION RESPONSIBLE - SAFE REFUSE COLLECTION**

20 min, 16mm film, optical sd, col 1972  
Producer USEPA  
Title No. 002146 Rental \$10.00 Sale \$75.00  
A safety training program, tailor-made for the solid waste collection industry, both public and private. Actually two training programs. The first is a oneday session to train supervisors who are directly in charge of refuse collection operations. In the second program, the supervisor, equipped with the needed materials, returns to his organization and trains the men who collect solid waste.

**OPERATION SANDSTONE**

18 min, 16mm film, optical sd, col 1950  
Producer USAEC  
Title No. 004369 Sale: W/DRAWN  
Describes the preparation for the test detonations of Atomic Bombs at Eniwetok in the spring of 1946, and pictures the three detonations.

**OPERATIONS WITH WHOLE NUMBERS**

22 min, 16mm filr., optical sd, col 1970  
Producer USOE  
Title No. 569306 Sale \$94.00  
Explores procedures for interrelating addition and subtraction. Shows materials, methods and strategies which are particularly effective. Attention is focused on the use of multiple techniques for improving instruction in multiplication. Emphasizes algorithms which have been found to be particularly effective. Stresses the use of materials.  
From the PROJECT ON INTERPRETING MATHEMATICS EDUCATION Research Series.

**OPERATIVE DENTISTRY - ADVANCED CONCEPTS- A SERIES**

22 min, 16mm film, optical sd, col 1967  
Producer USVA  
Title No. 002726 Sale \$102.25  
Depicts details of operative dentistry and emphasizes the application of operative dentistry as a rewarding experience. Edited into several single concept films by the Dental Training Center of the Veterans Administration from an original Navy production.

**CLASS III RESTORATIONS****CUSP GOLD INLAY****GINGIVAL RETRACTION CLASS V****PIN LEDGE CASTINGS****PORCELAIN INLAY TECHNIQUE****OPERATOR AND HIS JOB, THE**

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 491  
Title No. 569320 Rental \$7.50 Sale \$22.25  
Illustrates responsibilities of the bus operator toward his passengers, including safety and comfort, maintenance of schedules, and courtesy.  
From the AUTOMOTIVE series. Bus Operation, No. 1

**OPERATOR AND HIS PASSENGERS, THE**

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 492  
Title No. 569325 Sale \$37.50  
Stresses the importance of good customer relations and presents ways of handling problems such as expired transfers, people who miss their stops, and getting passengers to move to the rear of a bus.  
From the AUTOMOTIVE series. Bus Operation, No. 2

**OPERATOR AND SAFETY, THE**

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 493  
Title No. 569330 Rental \$7.50 Sale \$33.75  
Explains the importance of safety in bus operation. Tells how to operate safely in passing cars, at intersections, at bus stop zones, and under special weather conditions.  
From the AUTOMOTIVE series. Bus Operation, No. 3

**\*OPPORTUNITIES IN HOTELS AND MOTELS**

11 min, 16mm film, optical sd, col 1968  
Producer USDL  
Title No. 002149 Rental \$7.50 Sale \$43.00  
Covers a variety of behind-the-scenes jobs with futures in the hotel and motel service industry. Entry-level jobs and promotion possibilities are detailed on a tour through laundry, housekeeping, and engineering departments. Describes year-round jobs from the front desk, through the kitchen, and into the banquet and cocktail lounge.  
From the CAREER JOB OPPORTUNITY FILM series.

**\*OPPORTUNITY UNLIMITED - FRIENDLY ATOMS IN INDUSTRY**

29 min, 16mm film, optical sd, col 1962  
Producer USAEC  
Title No. 002727 Sale \$95.50  
Surveys the widespread industrial uses of radioisotopes. Combines animation and live action to explain what radioisotopes are and how they are used to gauge thickness of nylon cord-rubber ply for automobile tires, sheet plastic, and cold-rolled alloy sheets for computers and space-age instruments, as well as to measure fat content, sugar content in applesauce, and moisture content in soil. Investigates industrial radiography with radioisotopes. Explains the use of radioisotope tracers for engine-wear studies, product movement in oil pipelines, and leak detection in pipelines.

**ORAL ADMINISTRATION OF MEDICATIONS**

14 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MNO8578J  
Title No. 002728 Sale \$25.50  
Presents the duties of hospital corpsmen in administering medications by mouth to patients in wards of naval hospitals. Demonstrates in detail the preparation of medication and treatment cards in accordance with the orders of medical officers.

**ORAL CANCER - DETECTION AND DIAGNOSIS**

94 2x2 slides, silent, col 1967  
Producer USCDC Agency No. S-1414  
Title No. 002729 Sale \$16.00  
Explains techniques used to detect oral cancer. Illustrates normal and abnormal oral and perioral soft tissue and shows biopsy technique. Accompanied by programmed text.

**ORAL CANCER - I "RA ORAL EXAMINATION**

6 min, 16mm filr., optical sd, col  
Producer USVA Agency No. D-11D  
Title No. 002730 Sale: W/DRAWN  
The palpation of the lymphatics of the neck is an important part of every examination to detect oral cancer. This film

describes the location of the lymph nodes and demonstrates a methodical procedure for palpating this area.

#### ORAL CANCER - INTRA-ORAL EXAMINATION

6 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-12-D  
Title No. 002731 Sale \$20.50

Demonstrates a methodical procedure for examination of the intra-oral soft tissues. It also presents six cases of early cancer in this area and discusses their clinical signs.

#### ORAL CONTRACEPTIVES, THE

29 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1780  
Title No. 002732 Sale \$60.50

Dr Garcia defends the use of oral contraceptives, stressing the superior efficiency of this method. Dr Lasagna feels that there are other methods which are clinically more advisable. He stresses the now-emerging adverse consequences of contraceptive drugs. (Kinescope)

From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.

#### \*ORAL EXFOLIATIVE CYTOLOGY

17 min, 16mm film, optical sd, col 1963  
Producer USVA Agency No. D-123  
Title No. 569560 Sale \$60.25

Describes how oral exfoliative cytology can disclose early and unsuspected cancer of the mouth. Shows several clinical examples of unsuspected mouth cancers and the technique for obtaining a cytology specimen. Presents variations of microscopic appearance of normal cells and cancerous cells.

#### ORAL HYGIENE

17 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. MN08952  
Title No. 002733 Sale \$70.25

Shows how to brush the teeth. Gives care of brushes, tips on eating habits and effects of good care and neglect.

#### ORAL HYGIENE - SWAB YOUR CHOPPERS

7 min, 16mm film, optical sd, col 1948  
Producer USN Agency No. MN06602  
Title No. 002734 Sale \$32.00

Describes current methods of cleaning.

#### ORAL HYGIENE - TECHNIQUES FOR MAINTENANCE OF DENTAL HEALTH OF THE PHYSICALLY HANDICAPPED...

64 fr, 35mm filmstrip, 1/4 in. audiotape, col 1969  
Producer USNMAC Agency No. F-2003-X  
Title No. 002735 Sale \$10.00

FULL TITLE - ORAL HYGIENE - TECHNIQUES FOR MAINTENANCE OF DENTAL HEALTH OF THE PHYSICALLY HANDICAPPED, MENTALLY RETARDED RESIDENT. Explains the reasons why mentally retarded, physically handicapped residents develop poor mouth conditions. Shows what rolls the ward personnel and the dentist play in promoting and maintaining health in the residents mouth. Shows the quadrants and surfaces of the mouth, and step-by-step procedures for brushing these areas.

#### \*ORAL HYGIENE - TOOTHBRUSH TECHNIQUE

30 fr, 35mm filmstrip, 1/4 in. audiotape, col 1949  
Producer USNMAC Agency No. 5-135  
Title No. 002151 Sale \$10.00

Discusses the importance of oral hygiene and professional oral prophylaxis. Demonstrates methods of home care of the teeth.

#### ORAL HYGIENE FOR THE TOTAL-CARE PATIENT

14 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. D-115  
Title No. 569588 Sale \$54.00

Points out how oral hygiene is a problem for the hospitalized patient who is physically or mentally unable to care for himself. Shows value of ingestible tooth paste, completely stable stannous fluoride gel, and electric tooth brush in the oral hygiene care of these patients.

#### ORBITING SOLAR OBSERVATORY

25 min, 16mm film, optical sd, col 1962  
Producer USNASA Agency No. HQA 095  
Title No. 002736 Sale \$107.75  
Describes the Orbiting Solar Observatory spacecraft which is designed to gather information concerning the Sun's effect on the Earth.

#### \*ORCHIDS

11 min, 16mm film, optical sd, col 1942  
Producer USCIAA Title No. 568895 Sale: W/DRAWN  
Shows the many varieties of orchids and other flowers of Latin America photographed in their natural color and setting.

#### \*ORDINARY WORK

19 min, 16mm film, optical sd, col 1972  
Producer USSRSS  
Title No. 001489 Sale \$78.00  
Shows the successful rehabilitation of mentally retarded subjects in the field of agricultural work. Emphasizes on the comprehensive pre-work training program for the mentally retarded. Shows the detailed use of sports activity in teaching coordination, self-confidence, learning to work in a group and independence.  
In the AUDIOVISUAL RESEARCH BRIEF series.

#### ORGANIC MODERATED REACTOR EXPERIMENT

16 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 002737 Sale \$78.50  
Presents a pictorial summary of the fabrication and operation of the OMRE facility at the USAEC's National Reactor Testing Station, Idaho, being conducted by Atomics International to investigate the use of organic materials as a reactor coolant for transferring heat and for moderating neutrons.

#### ORGANIZATION AND MECHANICS OF WRITING

35 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. TF01-5225  
Title No. 570400 Sale \$60.25  
Explains the techniques used to develop good paragraphs and ideas. Shows how to arrange words in proper order, how to punctuate, and how to organize a paper.

#### ORGANIZED MOSQUITO CONTROL

16 min, 16mm film, optical sd, col 1955  
Producer USNMAC Agency No. M-0191  
Title No. 002738 Sale \$55.00  
Shows a sampling to determine the species of mosquitoes present, their relative abundance, and types of breeding places. Demonstrates dipping for larvae to determine major problem areas - breeding sites as determinants of flight ranges - three common methods of mosquito abatement, and five major problem areas.

#### ORGANIZING FOR PLAY

20 min, 16mm film, optical sd, b&w 1967  
Producer USOEO  
Title No. 570590 Sale \$29.00  
Shows how to organize a Head Start program based on the concept of free play. Uses actual situations to describe the curriculum, the organization of equipment, and essential techniques to be used in teaching the disadvantaged preschooler.

#### ORGANOPHOSPHATE PESTICIDE POISONINGS DIAGNOSIS AND TREATMENT

20 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. M-1747  
Title No. 002739 Sale \$82.00  
Shows that a correct diagnosis of organophosphate poisoning and proper treatment can save lives. Based on actual cases.

#### \*ORIENTATION AND IndoctrINATION OF SAFE WORKMEN

27 min, 16mm film, optical sd, col 1960  
Producer USBM  
Title No. 003548 Sale \$111.50  
Follows a group of new employees through pre-employment testing, hiring, and actual working situations. Highlights the

job safety and the value of accident prevention training for all employees.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORGES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### ORIENTATION TO THE USE OF CRUTCHES

8 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0918  
Title No. 002740 Sale \$19.50  
Shows the fitting of underarm crutches, the tripod principle and crutch walking. It shows the disadvantages of crutches too short, or crutches too long. It shows how to use crutches in going up and down stairs, with or without the use of railing.

#### \*ORIENTATION, THE TRUE FADE SYSTEM

8 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN 1059AA  
Title No. 570780 Rental \$5.00  
Demonstrates how to accomplish the 'true fade' method of radio range orientation, explains where and when it is most practical, and shows how the following features affect the method - square sector, closed sector, open sector, wind, terrain, and

#### ORIGIN AND HISTORY OF PROGRAM BUDGETING, THE

25 min, 16mm film, optical sd, b&w  
Producer USCSC  
Title No. 002741 Sale \$52.50  
Traces the history of planning - programming - budgeting (PPB) and describes the fundamentals of the system. Corporation. (Kinescope)

#### ORIGIN AND SYNTHESIS OF PLASTICS MATERIALS

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 486  
Title No. 570850 Rental \$7.50 Sale \$28.50  
Explores the organic origin of plastics and the resemblance of synthetic compounds to natural substances. Shows how plastics are made and typical uses for them  
From the PLASTICS series. No. 1

#### ORIGINS OF THE MOTION PICTURE

21 min, 16mm film, optical sd, b&w 1955  
Producer USN Agency No. MN08103  
Title No. 571225 Sale \$37.00  
Records the development of the machinery and arts of the motion picture, from the earliest suggestions of Leonardo Da Vinci to the perfected sound motion picture of Thomas Edison. Shows the thaumatrope, zoetrope, phenakistoscope, proxinoscope, and the work of Plateau, Daguerre, Muybridge, Marey, Edison, Armata, Dickson, and others. Includes scenes made as early as 1880 and some early naval historical pictures of the great white fleet, the submarine 'Holland' and 19th century Marines.

#### OSCILLATORS

13 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN 1540-I  
Title No. 571700 Rental \$7.50 Sale \$23.75  
Explains the basic principles of electronic oscillation.

#### OSSEOUS SURGERY IN THE MAXILLA - SUTURING TECHNIQUES, PT 2

11 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-24-PE  
Title No. 002334 Sale \$36.75  
The suturing technique was selected after the periodontal osseous surgery had been completed. It is one which permits suturing of the buccal flap, independently of the lingual or palatal flap. It is performed with a continuous suture and assures close adaptation of the tissue to the teeth and bone.

#### OSSEOUS SURGERY IN THE MAXILLA, PT 1

18 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-29-PE  
Title No. 002742 Sale \$61.00  
Demonstrates the surgical elimination of supra and infra periodontal bony defects in the maxilla. The osseous contouring to establish physiologic architecture of the soft tissues is shown in detail.

#### OTHER PASSENGER, THE

28 min, 16mm film, optical sd, col 1965  
Producer USFAA Agency No. FA-0601  
Title No. 572290 Sale \$96.25  
Surveys measures taken to insure safety in air travel. Shows a Federal Aviation Agency Flight Inspector who inspects a Braniff flight from Dulles to Mexico City. Features in-the-cockpit scenes as well as emergency procedures practices by all pilots.  
Cleared for TV.

#### OTHER SIDE OF THE RIVER, THE

28 min, 16mm film, optical sd, col 1965  
Producer USAE  
Title No. 002743 Sale \$160.00  
Tells the story of 1965 upper Mississippi River Flood, its destruction, aftermath, and ways to help alleviate future flood damage.

#### OTHER VIETNAM, THE

29 min, 16mm film, optical sd, col  
Producer USAID  
Title No. 572370 Sale \$83.00  
Shows Vietnamese engaged in their own self-improvement, as well as American civilian specialists who work beside and among them in applying new farming techniques, developing industry, raising the educational level, and improving health and nutrition.

#### \*OUR LAND - ITS MANY FACES

14 min, 16mm film, optical sd, col 1962  
Producer USDA Agency No. 1573  
Title No. 001834 Sale \$66.00  
Since the days of Thomas Jefferson, far-thinking Americans have recognized the increasing importance of conservation methods. Through advances of science and technology, we have been able to preserve the wonders of our land, despite man's past negligence. We have learned to cherish its resources.

#### \*OUR MAGIC LAND

17 min, 16mm film, optical sd, col 1961  
Producer USSCS Agency No. 1351  
Title No. 574870 Sale \$76.00  
Introduces a magician performing in a carnival setting to point up the magic of man and nature working together to maintain and improve land through conservation.

#### OUR NEAREST STAR

12 min, 16mm film, optical sd, col 1961  
Producer USAEC  
Title No. 002744 Sale \$48.50  
Explains that an isotopic-power system has been placed in orbit aboard the Transit Four-A navigation satellite, the first application of nuclear power in space. Follows the development testing of the radioisotope fuel capsule and the thermo-electric generator that make up this SNAP system.

#### OUR TOWN IS OUR CLASSROOM

22 min, 16mm film, optical sd, b&w 1952  
Producer USA  
Title No. 002745 Rental \$7.50 Sale \$46.25  
Shows students learning about local government by sitting in on the town's council meetings, listening to court sessions and attending meetings of citizens and public officials.

#### \*OUT FROM THE CROWD

15 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MH-11081  
Title No. 002153 Sale \$60.00  
Describes the training of the Woman Marine and the varying

assignments offered throughout the Corps for women college students.

#### OUT OF HUNGARY TO FREEDOM

19 min, 16mm film, optical sd, b&w 1957  
Producer USIA  
Title No. 004605 Rental: W/DRAWN Sale: W/DRAWN  
Reviews exodus of Hungarian refugees during the winter of 1956-57, including their temporary stay in Austria, departure for their new homes, and welcoming ceremonies in many different countries. Includes scenes of the visit of Vice-president Nixon To refugee camps in Austria. Depicts Hungarians in the U S adjusting to their new lives.

#### \*OUT OF THE WOODS

16 min, 16mm film, optical sd, col 1955  
Producer USDA Agency No. 1263  
Title No. 003984 Sale \$76.00  
Points up typical farm forestry problems and how one hard-pressed farmer solved them profitably, with the aid of the local service forester. It also deals with improvement of a small sawmill for greater economy and efficiency.

#### \*OUTBREAK

30 min, 16mm film, optical sd, col 1949  
Producer USDA Agency No. 1028  
Title No. 577442 Sale \$133.00  
Traces the history of foot-and-mouth disease, shows co-operative measures used by Mexico and the United States in combatting the outbreak of 1949.

#### OUTBREAK OF SALMONELLA INFECTION, AN

14 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148A  
Title No. 577470 Sale \$48.50  
Presents a simulated typical outbreak of food-borne illness caused by organisms of the Salmonella group. Discusses source and means of contamination, factors contributing to the survival and transfer of the organism, important conditions of environment and general food handling practices, and effects of the outbreak.

#### OUTBREAK OF SALMONELLA INFECTION, AN (SPANISH)

14 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148A  
Title No. 002746 Sale \$48.50  
Presents a simulated typical outbreak of food-borne illness caused by organisms of the Salmonella group. Discusses source and means of contamination, factors contributing to the survival and transfer of the organism, important conditions of environment and general food handling practices, and effects of the outbreak.

#### OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN

12 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148B  
Title No. 577455 Sale \$43.75  
Presents a case by typical outbreak of food-borne illness caused by staphylococcus organisms, including symptoms of the victims, tracing the source of the organisms as staphylococcus aureus in pastry filling, and the reasons for the incidence of the organisms in the food.

#### OUTBREAK OF STAPHYLOCOCCUS INTOXICATION, AN (SPANISH)

12 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148B-SP  
Title No. 002748 Sale \$43.75  
Presents a case study of a typical outbreak of food-borne illness caused by staphylococcus organisms, including symptoms of the victims, tracing the source of the organisms as staphylococcus aureus in pastry filling, and the reasons for the incidence of the organisms in the food.

#### OVERHAULING CAMSHAFT ASSEMBLY AND CRANKCASE SECTION

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 270  
Title No. 578150 Sale \$39.25  
Explains how to inspect the camshaft and gear case cover assembly, inspect and recondition the crankcase section,

measure crankcase bearings and inspect and recondition the remaining parts.

From the AIRCRAFT WORK series. Power Plant Maintenance

#### OVERHAULING CRANKSHAFT ASSEMBLY

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 269  
Title No. 578200 Sale \$39.25  
Explains how to clean the parts of a disassembled engine, inspect and recondition crankshaft assembly parts, determine clearances and check for out-of-round and inspect clearances against specifications.

From the AIRCRAFT WORK series. Power Plant Maintenance

#### OVERHAULING THE CARBURETOR

23 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 267  
Title No. 578250 Sale \$40.50  
Shows how to remove the carburetor assembly from the engine, disassemble, clean, inspect and reassemble the carburetor, check the fuel level and reinstall the carburetor assembly.

From the AIRCRAFT WORK series. Power Plant Maintenance

#### OVERTAKING AT NIGHT

15 min, 16mm film, optical sd, col 1943  
Producer USN Agency No. MN00202Q  
Title No. 002749 Sale \$51.75  
Illustrates the correct use of whistle signals in overtaking situations on the ocean and in inland waters.

#### OVERTAKING SITUATION

15 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00202N  
Title No. 002750 Sale \$27.00  
Gives whistle signals to be used when overtaking on the ocean, in inland waters, and in narrow channels.

#### OWL WHO GAVE A HOOT, THE

14 min, 16mm film, optical sd, col 1967  
Producer USOEO  
Title No. 578575 Sale \$42.00  
An animated cartoon film that tells it like it is-exploitation, connivance, fraud, in the consumer world of the ghetto, and what to do about it.

#### OWL WHO GAVE A HOOT, THE (SPANISH)

14 min, 16mm film, optical sd, col 1967  
Producer USOEO  
Title No. 003084 Sale \$42.00

#### OX CELL HEMOLYSIN TEST FOR DIAGNOSIS OF INFECTIOUS MONONUCLEOSIS

10 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M 0770  
Title No. 002751 Sale \$32.50  
A rapid and specific test, based on the presence of a hemolysis in the sera of I. M. patients that will cause lysis of ox cells in the presence of complements.

#### OXIDASE TEST, THE

5 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1755  
Title No. 002752 Sale \$21.75  
Demonstrates a rapid method of differentiating oxidase positive from oxidase negative organisms. Includes the sensitive 'kovac modification.'

#### OXY-ACETYLENE WELDING - LIGHT METAL

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 190  
Title No. 579100 Rental \$7.50 Sale \$37.00  
Shows how to assemble a gas welding outfit, adjust gas pressures, adjust the flame, and make a butt weld and a 'T' weld in light tubing.  
From the WELDING PROCEDURES series. Oxyacetylene Welding, No. 1

**\*OXYGEN - IN-FLIGHT REQUIREMENTS**

24 min, 16mm film, optical sd, col 1955  
Producer USAF Agency No. TF1-5038A  
Title No. 002923 Rental \$12.50  
Describes the effects of oxygen on the pilot and crew at various altitudes. Explains dangers of hypoxia and 'bends' and shows decompression chamber tests.

**OXYGEN, NITROGEN GENERATING PLANT DISTILLATION COLUMN CONTROL**

24 min, 16mm film, optical sd, col 1960  
Producer USAF Agency No. TF01-5334  
Title No. 002924 Sale \$81.50  
Shows the progressive flow and treatment of atmospheric air through a typical oxygen or nitrogen.

**\*PACKAGING FOOD FOR YOU**

17 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 3255  
Title No. 003985 Sale \$80.00  
By improved packaging of foods, made possible through research by the U S D A and private industry, we gain in economy, quality and freshness, and in convenience. Shows that today's packaging of meats and poultry, fruits and vegetables is seldom seen by the shopper--it's done behind the scenes, at the point of production, in the field, at the processing plant, at the wholesale warehouse, and at the retail store.

**PALATAL FLAP IN PERIODONTICS, THE**

13 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-44-PE  
Title No. 006440 Sale \$46.25  
The surgical management of osseous deformities involving the palatal and proximal periodontal areas is demonstrated. A palatal flap is created using an internal beveled incision. This preserves the remaining attached gingiva and still permits access to the underlying alveolar process.

**\*PAMELA'S TREE**

14 min, 16mm film, optical sd, col 1965  
Producer USDA Agency No. 4308  
Title No. 003986 Sale \$66.00  
Pamela, daughter of a tree farmer, suddenly finds her favorite tree--the one with her swing--has become infested with bark beetles. Prompt effort saves her tree - however, thousands of acres of other southern forest trees are destroyed each year by insects. Tells what help both large and small timber owners can obtain from their state forester to save their trees.

**\*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD HEALTH ORGANIZATION, THE**

49 fr, 35mm filmstrip, silent, col 1969  
Producer USNMAC Agency No. F-1736  
Title No. 002154 Sale \$5.50  
Explains the responsibilities and activities of the Pan American Health Organization. Defines its relationship to the World Health Organization, the United Nations, the Organization of American States, and other international organizations. Outlines its programs and goals and describes its activities in the fields of public Health education, environmental sanitation, water supply, waste disposal.

**\*PAN AMERICAN HEALTH ORGANIZATION AND THE WORLD HEALTH ORGANIZATION, THE (SPANISH)**

49 fr, 35mm filmstrip, silent, col 1969  
Producer USNMAC  
Title No. 002155 Sale \$5.50  
Explains the responsibilities and activities of the Pan American Health Organization. Defines its relationship to the World Health Organization, the United Nations, the Organization of American States, and other international organizations. Outlines its programs and goals and describes its activities in the fields of public Health education, environmental sanitation, water supply, waste disposal.

**PANAMA**

19 min, 16mm film, optical sd, b&w 1955  
Producer USDOD Agency No. AFIF 0060  
Title No. 582150 Sale \$33.75  
Explains the historical background and current social, economic, and military status of Panama. Illustrates Panama's significance to and function and welfare of the United States Armed Forces stationed in the Canal Zone.

**PANCHO**

25 min, 16mm film, optical sd, col 1967  
Producer USOEO  
Title No. 006424 Sale \$76.00  
Surveys features of the Head Start program. Follows the development of a young boy of Mexican descent, showing his miraculous physical and mental change from cretin to normal child through the aid of the Head Start program.

**PANDORA'S EASY OPEN POP-TOP BOX**

16 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1640-X  
Title No. 582575 Sale \$55.00  
Asks if the onrush of urbanization opening a Pandora's Box upon our land and its people. This film was designed to speak for itself, by contrasting the sound and fury of the city with the serene unspoiled countryside.

**PANOGRAPHIC DIAGNOSTIC PATHOLOGY RADIOLUCENCIES, PT 1**

11 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-36-R  
Title No. 002755 Sale \$36.75  
Illustrates the radiographic findings in a number of well-documented cases. Shows that few are radiographically diagnostic. The majority present features which are exhibited by a number of pathologic entities. Points out the importance of recognizing the abnormal, providing differential diagnosis, and establishing a definitive diagnosis with every means available. Etiology and treatment are discussed. This is the first in a series of two films on this subject.

**PANOGRAPHIC DIAGNOSTIC PATHOLOGY RADIOLUCENCIES, PT 2**

19 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-39-R  
Title No. 002756 Sale \$30.25  
Abnormal radiolucencies appearing in a series of panoramic radiographs are presented. Etiology and treatment are discussed. This is the second in a series of two films on this subject.

**PANOGRAPHIC DIAGNOSTIC PATHOLOGY RADIOPACITIES**

9 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-40-R  
Title No. 002757 Sale \$30.25  
Illustrates the radiographic findings in a number of well-documented cases. Few are radiographically diagnostic. The majority present features which are exhibited by a number of pathologic entities. Points out the importance of recognizing the abnormal, providing differential diagnosis, and establishing a definite diagnosis with every means available.

**PANORAMIC RADIOGRAPHY - OPERATING PROCEDURE FOR PANOREX**

14 min, 16mm film, optical sd, col 1967  
Producer USVA Agency No. D-010  
Title No. 002758 Sale \$46.25  
Shows function of each component part of the Panorex machine--its complete cycle of operation, the method of skull measurement for obtaining optimum exposure factors, the results of incorrect technique, and the most common technical errors and their correction.

**PARALLEL RC, RL, AND HCL CIRCUITS (TRIGONOMETRIC SOLUTIONS)**

39 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-224  
Title No. 002781 Sale \$80.25  
Shows how circuit values are computed by trigonometric

functions. First the phase angle is determined from a trigonometric table and the values of known current through the parallel circuit. Next theta is computed and from this the total current is found. The power factor is pointed out as the same value as the cosine of theta. Then the procedure of solving for total impedance by Ohm's law is presented. After solving for phase angle, total current, total impedance and power factor in an RC parallel circuit, RL and RCL circuits are considered. (Kinescope)

#### **PARALLEL RC, RL, AND RCL CIRCUITS (GRAPHIC SOLUTIONS)**

32 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-222  
 Title No. 002759 Sale \$66.50  
 Using Ohm's law and vectors, shows how to solve for branch current, total current, total impedance and phase angle in parallel RC, RL and RCL circuits. (Kinescope)

#### **PARALLEL RESISTIVE CIRCUITS**

33 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-126A  
 Title No. 002760 Sale \$68.25  
 Explains and shows the requirements for a parallel circuit. Then points out the relationship of the voltage across each parallel branch and explains how to measure and compute the voltage across each branch, as well as the total voltage. Next, gives the rule for computing current in a parallel circuit and demonstrates how to measure current in a parallel circuit. Shows the formula for computing resistance in a parallel circuit and how to measure the resistance. (Kinescope)

#### **PARALLEL RESISTIVE CIRCUITS - CIRCUIT ANALYSIS**

22 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-126B  
 Title No. 002762 Sale \$48.25  
 Defines the principles of Ohm's and Kirchoff's laws as they apply to solving the problems related to branch currents, resistances, and applied voltage. Actual problems are used as a means of proving the principles of parallel circuitry. (Kinescope)

OTHER FORMAT(S) OR VERSION(S):

33 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-126C  
 Title No. 002763 Sale \$68.25

#### **PARALLEL RESISTIVE CIRCUITS - DC POWER**

14 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-128  
 Title No. 002764 Sale \$30.75  
 Using a simple circuit, demonstrates the distribution of power in a parallel circuit. By use of appropriate formulas, methods of determining the power dissipated in the individual branches and total power are discussed. (Kinescope)

#### **PARALLEL RESISTIVE CIRCUITS - TROUBLESHOOTING**

21 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-129  
 Title No. 002765 Sale \$44.50  
 Discusses symptoms produced by open and shorted parallel resistors. Shows how an ammeter and voltmeter are used to detect such troubles. (Kinescope)

#### **PARALLEL RESONANT CIRCUITS**

24 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-229B  
 Title No. 002766 Sale \$50.75  
 Shows how to compare the impedance curves of parallel and series RCL circuits, and then compare the current curves. Shows how the 'Q' factor of a parallel resonant circuit is compared to that of a series resonant circuit. Then, illustrates how to solve for 'Q' and how to determine the bandwidth and bandpass of a parallel resonant circuit. (Kinescope)

OTHER FORMAT(S) OR VERSION(S):

29 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-229A  
 Title No. 002767 Sale \$60.00

#### **PARAPLEGIC AMBULATION - INITIAL PARALLEL BAR EXERCISES**

8 min, 16mm film, optical sd, col 1968  
 Producer USNMAC Agency No. M-1405  
 Title No. 002768 Sale \$27.75  
 The ambulation of the paraplegic patient wearing bilateral long leg braces with pelvic band is preceded by exercises in the parallel bars to develop initial balance during stance and trunk movements, and initial weight shifting with accompanying anterior pelvic tilt and head position.

#### **PARAPLEGIC PATIENT EDUCATION - ACTIVITIES IN YOUR NEW LIFE**

7 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1757-X  
 Title No. 002769 Sale \$29.50  
 Looks at some of the problems of adjusting to a new life following a crippling disease or accident. Suggests ways to solve these problems, build self-confidence, and achieve physical and financial independence.

#### **PARAPLEGIC PATIENT EDUCATION - AN ACTIVE FUTURE**

5 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1764-X  
 Title No. 002770 Sale \$21.75  
 Stresses the importance of setting realistic goals during the rehabilitation program in order to achieve success later. Emphasizes the necessity of maintaining good health, activity, and interest.

#### **PARAPLEGIC PATIENT EDUCATION - JOINT MOTION**

5 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1758-X  
 Title No. 002771 Sale \$21.75  
 Explains methods for maintaining joint motion, including range of motion exercises, positioning, and activity.

#### **PARAPLEGIC PATIENT EDUCATION - MOVING IN AND OUT OF YOUR WHEELCHAIR**

5 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1759-X  
 Title No. 002772 Sale \$21.75  
 Explains the steps involved in the independent transfer to and from a wheelchair.

#### **PARAPLEGIC PATIENT EDUCATION - PLANNING YOUR BOWEL PROGRAM**

6 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1763-X  
 Title No. 002773 Sale \$25.50  
 Stresses the importance of a well-planned bowel program based on scheduling, diet, and stimulation.

#### **PARAPLEGIC PATIENT EDUCATION - PREVENTION OF SKIN PROBLEMS**

8 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1761-X  
 Title No. 002774 Sale \$33.50  
 Cites causes of Decubitus ulcers resulting from pressure sores. Warns of dangers involved and outlines a simple deterring program.

#### **PARAPLEGIC PATIENT EDUCATION - PREVENTION OF BLADDER PROBLEMS**

8 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1762-X  
 Title No. 002775 Sale \$33.50  
 Explains bladder dysfunction related to spinal cord injury. Stresses the importance of catheter irrigation, good drainage, and fluid intake in the prevention of calcium deposits in the bladder or kidneys.

#### **PARAPLEGIC PATIENT EDUCATION - THE EFFECTS OF SPINAL CORD INJURY**

8 min, 16mm film, optical sd, col 1970  
 Producer USNMAC Agency No. M-1756-X  
 Title No. 002776 Sale \$33.50  
 Cites causes of spinal injuries, discusses the effect these injuries may have on the individual, and points out how best to become as independent as possible.

<b>PARAPLEGIC PATIENT EDUCATION - WALKING WITH BRACES AND CRUTCHES</b>		saved it from mass destruction by the occupation forces of the Nazi regime.
5 min, 16mm film, optical sd, col Producer USNMAC Title No. 002777	1970 Agency No. M-1760-X Sale \$21.75	From the BIG PICTURE series. CLEARED FOR TV.
Stresses physical limitations, need for preparation for ambulation training, balance drills, and mobility exercises. Emphasizes that results depend on continued practice.		
<b>PARAPLEGIC PATIENT, THE - IN AND OUT OF CAR - PATIENT USING CRUTCHES</b>		
5 min, 16mm film, optical sd, col Producer USNMAC Title No. 002778	1970 Agency No. M-1785 Sale \$21.75	24 min, 16mm film, optical sd, col Producer USVA Title No. 004607 Sale: W/DRAWN
Demonstrates the use of crutches and braces in moving in and out of a car.		Demonstrates on a cadaver, a systematic dissection layer by layer, showing the parotid gland in its relationship to other structures, facial nerve, and its branches.
<b>PARAPLEGIC PATIENT, THE - PUTTING ON A FULL BODY BRACE IN A WHEELCHAIR</b>		
11 min, 16mm film, optical sd, col Producer USNMAC Title No. 002779	1970 Agency No. M-1553 Sale \$35.75	14 min, 16mm film, optical sd, col Producer USVA Title No. 004370 Sale: W/DRAWN
Depicts the most effective method for the paraplegic patient to put on a full body brace in a wheelchair.		Demonstrates the structures surrounding, contained in, and related to the parotid gland.
<b>PARAPLEGIC PATIENT, THE - TAKING OFF A FULL BODY BRACE IN BED</b>		
8 min, 16mm film, optical sd, col Producer USNMAC Title No. 002780	1968 Agency No. M-1551 Sale \$27.75	15 min, 16mm film, optical sd, col Producer USN Title No. 002782 Agency No. MN06721 Sale \$51.75
Shows the method used by a paraplegic to remove a full body brace in bed.		Demonstrates the influence of forces of mastication on the design of partial dentures by dividing parts of partial dentures into bracing, supporting, and retaining elements. Emphasizes important construction details.
<b>PARAPLEGIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE</b>		
4 min, 16mm film, optical sd, col Producer USNMAC Title No. 002781	1970 Agency No. M-1784 Sale \$21.50	<b>PARTIALLY HEARING, THE</b>
Demonstrates the transfer between wheelchair and car.		15 min, 16mm film, optical sd, col Producer USBEH Title No. 002783 Sale \$64.50
<b>PARENT EDUCATION</b>		Shows classes at the newly constructed school for the partially hearing in Stockholm, in the Alviksskolan.
24 min, 16mm film, optical sd, col Producer USBEH Title No. 584438	1970 Sale \$113.75	From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.
Shows home and clinic instruction in Sweden, Germany, England and the Netherlands.		<b>PASSENGERS - DRIVING HAZARDS - SAFETY</b>
From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.		14 min, 16mm film, optical sd, b&w Producer USOE Title No. 586310 Agency No. OE 495 Rental \$7.50 Sale \$25.50
<b>PARENT EDUCATION AT HEIDELBERG</b>		Points out the driver's responsibility for the safety of child passengers and safe driving habits and safety in handling children getting on and off the bus.
11 min, 16mm film, optical sd, col Producer USBEH Title No. 584447	1970 Sale \$62.50	From the AUTOMOTIVE series. School Bus Operation, No. 2
Presents Professor Arman Lowe's home teaching and parent education program at the Paedo-Audiological Guidance Center.		<b>PATCHING FABRIC</b>
From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.		22 min, 16mm film, optical sd, b&w Producer USOE Title No. 586640 Agency No. OE 250 Sale \$44.50
<b>PARENTS ARE TEACHERS TOO</b>		Tells how to cut out and prepare the damaged area. Describes how to prepare, dope, rib-stitch, and finish a patch.
18 min, 16mm film, optical sd, b&w Producer USOEO Title No. 584675	1967 Sale \$25.00	From the AIRCRAFT WORK series. Aircraft Maintenance
Discusses the role of parents as the child's first and continuing teachers, and points out that learning comes easier with a flow of understanding between school and home.		<b>PATCHING PLYWOOD</b>
<b>*PARENTS EDUCATION PROGRAMS</b>		26 min, 16mm film, optical sd, b&w Producer USOE Title No. 586650 Agency No. OE 249 Sale \$53.50
30 min, 16mm film, optical sd, col Producer USDHEW Title No. 000346	1965 Rental \$12.50 Sale \$121.25	Shows how to splay the edge of a hole, prepare and apply a splayed patch, make a flush or plug-type patch, make a frame of doubler and apply a flush patch.
This film illustrates both formal and informal programs for parents of young hearing impaired children. The overview presents issues in family dynamics and parent-child communication and language development.		From the AIRCRAFT WORK series. Power Plant Maintenance
<b>PARIS '44</b>		<b>PATH TO FULFILLMENT</b>
29 min, 16mm film, optical sd, b&w Producer USA Title No. 004606	1963 Agency No. TV 602 Sale: W/DRAWN	38 min, 16mm film, optical sd, col Producer USBEH Title No. 586586 Agency No. OE 249 Rental \$15.00 Sale \$152.75
Depicts the recapture of Paris in 1944, and how the Allies		Gives an overview of the philosophy, facilities, and techniques used in the care of the mentally retarded, principally in Scandinavia and England.
<b>PATH TO SAFETY</b>		<b>PATH TO SAFETY</b>
<b>* INDICATES NEW ENTRY</b>		20 min, 16mm film, optical sd, col Producer USFAA Title No. 002785 Agency No. FA-0612 Sale \$88.25
		Points out that more accidents are caused by human error than by any other factor.

## PATH TO WINGS, A - THE AIR FORCE ROTC FLIGHT INSTRUCTION PROGRAM

15 min, 16mm film, optical sd, col 1968  
Producer USAF Agency No. SFP 1788  
Title No. 588590 Sale \$51.75  
Encourages Air Force ROTC Cadets to pursue a career as Air Force pilots through the Flight Instruction Program. Shows how program determines cadet's potential for formal Air Force training. Cites benefits of learning to fly and of possessing a pilot's license regardless of future plans.  
CLEARED FOR TV.

## PATHOGENESIS AND MANAGEMENT OF HEMOCHROMATOSIS

29 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1507  
Title No. 002786 Sale \$60.50  
Dr Crosby presents a basic discussion of 'Primary Hemochromatosis,' a rare metabolic hereditary disease involving the liver and pancreas. He shows various therapeutic approaches as well as diagnostic tests for this disorder. (Kinescope)

## PATHOGENESIS OF ANEMIA

31 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1504  
Title No. 002787 Sale \$63.50  
Discusses major types of anemias, their differentiation, tests involved in establishing the specific type and some basis for therapy. Explains formula for M-IT, and shows examples of normal and various abnormal M-IT readings in several types of anemias. (Kinescope)

## PATHOLOGY OF SCHISTOSOMIASIS, THE

2 min, 16mm film, silent, b&w 1948  
Producer USNMAC Agency No. 04-00068  
Title No. 002788 Sale \$5.50  
Shows views of pathological specimen material from chronic schistosomiasis.  
RECOMMENDED FOR PROFESSIONAL USE.

## PATHOPHYSIOLOGY OF PANCREATIC INFLAMMATION, THE

40 min, 16mm film, optical sd, b&w 1970  
Producer USNMAC Agency No. T-1895  
Title No. 002789 Sale \$82.25  
Relates the pathogenesis of acute pancreatitis to secretory mechanisms, and shows the construction of a unified concept of the etiology of inflammation within the pancreas. Evidence is accumulated from anatomic studies, manometric determinations of the intracholedochal and intrapancreatic ductal secretory pressures, physiologic investigations in experimental pancreatitis, and analyses of the clinical correlations observed in human pancreatitis. (Kinescope)

## \*PATTERN FOR CHANGE

32 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000347 Sale \$132.75  
With greater public understanding, federal support and the fruits of research, the institution has passed from its traditional role of custodial repository. The film illustrates how the institution today provides for its permanent members, and, how it acts as a catalytic agent to involve community services for the more able retarded, thus, providing a chance whereby many retarded citizens can live in the community.

## PATTERNS FOR HEALTH

14 min, 16mm film, optical sd, b&w 1967  
Producer USOEO  
Title No. 002790 Sale \$19.25  
Shows the establishment of early health habits for the preschool child. Shows how this early training develops patterns found in the well-adjusted adult. Covers general as well as specific health needs of the four to five year old child.

## \*PATTERNS IN JAZZ

10 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. 01-02582  
Title No. 004371 Rental: W/DRAWN Sale: W/DRAWN  
Depicts the life and work of a young jazz trumpet player who

is concurrently engaged in performing, studying for a masters degree and student teaching at a southwest American university. Emphasizes that jazz is a discipline worthy of serious study.

## \*PATTERNS OF THE WILD

26 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 3209  
Title No. 003987 Sale \$132.00  
Through the eyes of a wild fox, you see that the wildlife of a forest does not merely live in a forest but is a part of its structure. Outstanding wildlife photography leads you from season to season. It shows what proper wild life management is doing to make the national forests more livable for animals and birds, and more enjoyable for people.

## PAYOUT IN THE PACIFIC, PT 1

30 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TV 480  
Title No. 004372 Sale \$59.50  
Surveys World War II from Pearl Harbor and the loss of the Philippines to the early victories in the South Pacific and to the B-29 bases constructed on Saipan.  
From the BIG PICTURE series.  
CLEARED FOR TV.

## PAYOUT IN THE PACIFIC, PT 2

29 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TV 481  
Title No. 004373 Sale \$59.50  
Documents the war in the Pacific. Covers the islandhopping victories of the allies to the Japanese surrender aboard the battleship Missouri.  
From the BIG PICTURE series.  
CLEARED FOR TV.

## PEDICLE FLAP FROM EDENTULOUS AREA

13 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-30-PE  
Title No. 002795 Sale \$43.25  
The use of a pedicle flap to correct a periodontal lesion is demonstrated. Since there was insufficient gingiva present at the site of the lesion, neither the gingivectomy nor apically repositioned flap procedures were indicated. The relocated pedicle flap re-established a sufficient width of gingiva. Two cases are demonstrated.

## PENETRATING WOUNDS OF THE ABDOMEN

14 min, 16mm film, optical sd, co. 1953  
Producer USN Agency No. MN07470  
Title No. 002796 Sale \$48.50  
Demonstrates five steps for handling penetrating wounds of the abdomen--make a speedy and accurate diagnosis, keep the patient on his back, apply a sterile dressing, treat for shock, and prepare for speedy evacuation.

## PENTODE CRYSTAL OSCILLATOR

30 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TV 30-514  
Title No. 002797 Sale \$62.50  
Explains the importance of stability in the Pentode Crystal Oscillator and discusses the importance of each component. Explains how correct amount and phase of feedback voltage is obtained. Demonstrates correct tuning procedure for most stable operation. (Kinescope)

## PENTODES AND PENTAGRIDES

28 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-419  
Title No. 002798 Sale \$58.50  
Illustrates the schematic of a pentode tube and identifies the elements. Explains the purpose of the suppressor grid. Demonstrates the effect an AC signal has on the current and voltage through each branch of the circuit. Shows next the schematic of a pentagrid tube and explains the purpose of the second control grid and the additional screen grid. Discusses multi-unit tubes, explaining what they are and how they work, and identifies the parts of the tubes by using schematic diagrams. (Kinescope)

#### \*PEOPLE AND APOLLO, THE

19 min, 16mm film, optical sd, col 1973  
Producer USDCPA Agency No. CP-20-279  
Title No. 002156 Sale \$78.00  
Tells a unique story of civil preparedness at the local level in connection with the Apollo 16 Moon Shot Cape Kennedy. With a half million visitors attending the event, the Civil Defense office organizes a task force of volunteers and local, state and federal agencies to plan and coordinate arrangements for traffic control, crowd handling, and a variety of emergency services.

#### PERCENTAGE OF MODULATION

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-526  
Title No. 002799 Sale \$60.50  
Explains what is meant by percentage of modulation. Explains over, under, and complete (100 percent) modulation and gives the advantages and disadvantages of each. Explains in detail how to determine the percentage of modulation, and illustrates by working several problems. (Kinescope)

#### PERCEPTION AND COMMUNICATION

28 min, 16mm film, optical sd, b&w 1966  
Producer USOE  
Title No. 002800 Rental \$10.00 Sale \$65.00  
Shows concrete examples of how human perception affects the communication process and the individual's concept of reality. Two major theories of perception, the cognitive and the transactional, are introduced, each being illustrated to varying degrees in the six segments of which this film is composed.  
From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL Media Series.

#### PERFORMANCE COUNSELING

21 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF38-3291  
Title No. 002801 Sale \$37.00  
Provides helpful guidelines for effective performance and non-directive methods of counseling. Aimed at senior officers.

#### PERFORMANCE EVALUATION

26 min, 16mm film, optical sd, b&w 1960  
Producer USAF Agency No. SFP 0673  
Title No. 592550 Sale \$45.50  
Teaches supervisors of Air Force civilian employees the importance of frequent, conscientious performance discussions with subordinates.

#### PERFORMING ARTS, THE

30 min, 16mm film, optical sd, b&w 1965  
Producer USIA Agency No. 01-01452  
Title No. 004608 Rental: W/DRAWN Sale: W/DRAWN  
Examines the role of the performing artist in American society. Participating in the program are Mary Costa of the Metropolitan Opera, violin prodigy James Oliver Bushwell, the Bob Brookmeyer-Clark Terry Quintet, the Christianson Brothers, and impresarios of the San Francisco Ballet Company.  
From the REPORT FROM AMERICA series.

#### PERIODIC CHECK-UP, THE

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 489  
Title No. 592500 Rental \$7.50 Sale \$32.00  
Shows how to tune up the engine, check and adjust the brake system and inspect the steering system, chassis and body.  
From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Automobile Operation, No. 4

#### PERIODIC FUNCTIONS

17 min, 16mm film, optical sd, b&w 1947  
Producer USN Agency No. MN01540-O  
Title No. 006425 Sale \$30.50  
Defines periodic functions, illustrates the graphing of sine angles, and relates sine waves to the amount of voltage produced by a generator.

#### PERIODIC INSPECTION - AIRPLANE

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 282  
Title No. 592560 Sale \$35.75  
Explains the importance and meaning of thoroughness in performing a periodic inspection, showing a complete detailed inspection of an aileron as an example.  
From the AIRCRAFT WORK series. Preventive Maintenance

#### PERIODIC INSPECTION - ENGINE

25 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 283  
Title No. 002802 Sale \$47.75  
Shows how to inspect the general condition of an engine, examine internal parts, check ignition and fuel system, examine the propeller, and prepare an engine for run-up.  
From the AIRCRAFT WORK series. Preventive Maintenance

#### PERSHING

30 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TV 588  
Title No. 004375 Sale: W/DRAWN  
Highlights Pershing's career prior to the turn of the century through World War II and including his retirement days.  
From the BIG PICTURE series. Famous Generals  
CLEARED FOR TV.

#### PERSHING STORY, THE

29 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TV 444  
Title No. 004609 Sale: W/DRAWN  
Relates the life of General John J Pershing.  
From the BIG PICTURE series.

#### PERSIMMON - A NUCLEAR PHYSICS EXPERIMENT

16 min, 16mm film, optical sd, col 1967  
Producer USAEC  
Title No. 002803 Sale \$108.25  
Explains how the intense burst of neutrons produced by the underground detonation of a nuclear explosive can be used to perform a variety of nuclear experiments which are usually infeasible because of the need for a very high neutron flux or a hopelessly long-running time on an accelerator. Focuses on the various experiments which comprise the Persimmon Event.

#### \*PERSON TO PERSON IN INFANCY

22 min, 16mm film, optical sd, b&w 1970  
Producer USDHEW  
Title No. 002157 Sale \$56.50  
Stresses the importance of the human relationships between infant and adult, and shows that in group care as well as at home there can be a considerable range of warmth and adequacy of relationship. The impact of this relationship on the infant's readiness and eagerness for new experience are suggested.

#### PERSONAL ENCOUNTER

60 min, 16mm film, optical sd, b&w 1951  
Producer USA Agency No. TF19-1634  
Title No. 002804 Sale \$103.75  
Shows ten aspects of hand-to-hand fighting-principles of judo, falling correctly, throwing, followingthrough, defense against wrestling holds, defense against knife or club, and offensive use of the police riot club.

#### PERSPECTIVES ON PESTICIDES

15 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1484  
Title No. 002807 Sale \$51.75  
Describes various pesticides, their benefits to mankind, the hazards associated with their use both in the home and on the farm, and the proper method of application and storage.

#### PERT-MILESTONE SYSTEM-PERT INTRODUCTION

27 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. MN 9704A  
Title No. 002806 Sale \$91.25  
Brings management and operating levels together for the planning and execution complex research and development projects.

**\*PESTS OR PLENTY**

13 min, 16mm film, optical sd, col 1965  
Producer USDA Agency No. 5543-2  
Title No. 593550 Sale \$62.00  
Depicts research being done in man's battle against pests and in his efforts to assure a pure food supply. Discusses chemicals, pesticides and pure food labies.

**\*PET PEEVES**

2 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003416 Sale \$20.00  
Sold only in a cartridge with use of overhead projector. Presents short insights into home and school education of the profound hearing impaired.

**PHANTASTRON**

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-815  
Title No. 002808 Sale \$54.75  
Identifies phantastron circuit and states purpose of each component. Constructs a time amplitude graph during explanation of circuit operation. (Kinescope)

**PHANTOM PAIN**

32 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. M-0721  
Title No. 002809 Sale \$55.25  
Documents an interview between a psychiatrist and a patient who lost a foot in an accident and now feels considerable pain in the missing extremity. Includes interviewing technique as well as description of phantom pain.  
**PROFESSIONAL USE ONLY.**

**PHARYNX TOPOGRAPHICAL ANATOMY, THE**

9 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-81  
Title No. 002810 Sale \$32.75  
The topography of the pharynx can be most advantageously viewed from the rear. In this film a window was created through the posterior neck of the cadaver for this purpose. The extent and volume that edema may assume in these areas is artificially produced by injecting water into the submucosa.

**PHASE SHIFT OSCILLATOR - VT**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-529  
Title No. 002811 Sale \$70.50  
Describes the principle characteristics of the phase shift oscillator, with emphasis on its frequency range, stability, and economy. Explains the purpose and operation of each component within the circuit. Describes the class of operation, as well as the minimum number of RC networks required to obtain the proper phase shift for sustained oscillations. Explains the effect of varying feedback as well as the frequency characteristics of the phase shift oscillator. (Kinescope)

**PHOTOGRAPHER, THE**

30 min, 16mm film, optical sd, b&w 1948  
Producer USDS  
Title No. 595250 Sale \$62.50  
Personality, philosophy, techniques and artistry of Edward Weston are shown through scenes of the artist at home, on location and at work with his students.

**PHYSICAL CHEMISTRY OF IMMUNOHEMATOLOGY**

27 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1676  
Title No. 002812 Sale \$56.50  
Presents a highly structured lecture on the stages of hemagglutination and methods used to modify conditions in order to manifest the presence of blood group antibodies. (Kinescope)

**PHYSICAL FITNESS FOR WAVES - MAKEUP FROM THE NECK DOWN**

19 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02651  
Title No. 002813 Sale \$33.75  
Shows such exercises as--jumping jacks, bounce and

stretch, heel balance, windmill, flip flop, criss cross, bounce and curl, and down and out. The value of participating in sports and planned exercises.

**PHYSICAL MANIFESTATIONS AND GOALS OF TREATMENT FOR THE PARKINSON PATIENT**

6 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1443  
Title No. 002814 Sale \$19.50  
A therapist presents a Parkinson patient, pointing out the physical manifestations and the expected goals of treatment.

**PHYSICAL PRINCIPLES OF RADILOGICAL SAFETY, THE**

51 min, 16mm film, optical sd, b&w 1953  
Producer LISA Agency No. PMF 5145-E  
Title No. 003019 Sale \$89.25  
Explains the ionizing characteristics of alpha, beta, and gamma radiation, roentgen and roentgen measurements - and formulas for calculation of exposure.

**PHYSICAL SECURITY SURVEYS**

30 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. TF19-3365  
Title No. 003020 Sale \$62.50  
Describes the purpose, fundamentals and procedures for a physical security survey of a military installation to uncover and correct security weaknesses.  
**CLEARED FOR TV.**

**\*PHYSICAL SECURITY, PT 10 - IDENTIFICATION AND CONTROL**

22 min, 16mm film, optical sd, col 1971  
Producer USA Agency No. TF-19-4183  
Title No. 002158 Sale \$89.75  
Discusses purpose and techniques of ID and control procedures. Includes badges, access lists, duress codes, and new equipment.  
**SUGGESTED FOR PROFESSIONAL GROUPS ONLY**

**PHYSIOLOGY OF HIGH ALTITUDE FLYING**

13 min, 16mm film, optical sd, col 1948  
Producer USN Agency No. MN05311  
Title No. 003022 Sale \$45.25  
A cartoon character named stanley illustrates the dangers of high altitude flying and is enlightened on the standard safety precautions.

**\*PIECE OF WOOD, A**

15 min, 16mm film, optical sd, col 1957  
Producer USDA Agency No. 1285-1  
Title No. 598222 Sale \$66.00  
Takes a look at the U S Forest Service products laboratory at Madison, Wisconsin where chemists, physicists, botanists, pathologists, foresters and engineers are all working toward one goal, to learn everything possible about wood, through research, to determine better and more efficient uses of forest products.

**PILGRIMAGE OF LIBERTY, A**

30 min, 16mm film, optical sd, col 1958  
Producer USIA Agency No. 01-02305  
Title No. 004376 Rental: W/DRAWN Sale: W/DRAWN  
Pictures, using minimum narration and evocative musical accompaniment, U S historical landmarks to signify the heritage of liberty in American life. Includes shrines to the nation's great, national parks, giant dams, super-highways and bridges, Mt Vernon, Monticello, and sites in Philadelphia, Boston and Illinois.

**PILOT AND AIR TRAFFIC CONTROL**

29 min, 16mm film, optical sd, b&w 1956  
Producer USAF Agency No. TF1-5041  
Title No. 003023 Sale \$50.25  
Explains air traffic control procedures and techniques including en route, approach, and local power control - instrument plane control - air traffic control centers and air traffic controllers.

<b>PILOTING, SURFACE</b>			
33 min, 16mm film, optical sd, b&w	1943		
Producer USN	Agency No. MN00083H		
Title No. 003024	Sale \$56.75		
Stresses the importance of accurate piloting and discusses briefly the use of the bearing circle, compass repeater, and alidade in securing bearings.			
<b>PIN LEDGE CASTINGS</b>			
4 min, 16mm film, optical sd, col	1967		
Producer USVA	Agency No. D-006		
Title No. 003025	Sale W/DRAWN		
A single concept film. For a descriptive statement, see the series title.			
From the <b>OPERATIVE DENTISTRY - ADVANCED CONCEPTS Series</b> .			
<b>PINLAY ABUTMENTS</b>			
26 min, 16mm film, optical sd, col	1964		
Producer USA	Agency No. PMF 5374		
Title No. 003026	Sale \$88.00		
Demonstrates clinically, the pinlay abutment technique used in restoration of interior teeth.			
<b>PIPE FABRICATION WITH JIGS</b>			
22 min, 16mm film, optical sd, b&w	1944		
Producer USOE	Agency No. OE 122		
Title No. 5998E.C	Sale \$44.50		
Explains the purpose of the jig. Shows how to lay out and assemble targets for a jig, set hangers and targets using a pipe section as a template and fabricate pipe on the jig.			
From the <b>SHIPBUILDING SKILLS series. Pipefitting, No. 7</b>			
<b>PIQUA NUCLEAR POWER FACILITY, THE</b>			
23 min, 16mm film, optical sd, col	1963		
Producer USAEC			
Title No. 003027	Sale \$79.25		
Uses animation to compare the organic-moderated piqua reactor to the liquid metal sodium graphite reactor at Hallam, Nebraska, and the pressurized water reactor at Shippingport, Pennsylvania.			
<b>PISTON AND LINER REMOVAL</b>			
12 min, 16mm film, optical sd, b&w	1945		
Producer USN	Agency No. MN03708B		
Title No. 003028	Sale \$22.25		
Tells how to remove connecting rod bearing, fork rod piston assembly, blade rod piston assembly, and opposite liners.			
<b>*PITCH</b>			
2 min, 8mm cartridge, optical sd, col			
Producer USBEH			
Title No. 003417	Sale \$19.25		
Sold only in a cartridge with vocal approach and incidental correction of speech. Presents short insights into home and school education of the profound hearing impaired.			
<b>*PITCH - 1</b>			
13 min, 16mm film, optical sd, b&w			
Producer USBEH	Agency No. C-101		
Title No. 003418	Sale \$30.50		
Illustrates a child's first lesson at the presentation stage of pitch. Touch variations are introduced and explained.			
From the <b>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</b>			
<b>*PITCH - 2</b>			
12 min, 16mm film, optical sd, b&w			
Producer USBEH	Agency No. C-102		
Title No. 003419	Sale \$28.50		
Introduces hand signals used in association with extremes of pitch to help the pupil imitate extremes.			
From the <b>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</b>			
<b>*PITCH - 3</b>			
9 min, 16mm film, optical sd, b&w			
Producer USBEH	Agency No. C-103		
Title No. 003420	Sale \$22.50		
Shows a demonstration of guiding a pupil to produce the			
desired pitch of vowels through reinforcement of his correct imitation.			
From the <b>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</b>			
<b>*PITCH - 4</b>			
12 min, 16mm film, optical sd, b&w			
Producer USBEH	Agency No. C-104		
Title No. 003421	Sale \$28.75		
Demonstrates work at the imitation stage of pitch in which the pupil is helped to develop high vowels.			
From the <b>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</b>			
<b>*PITCH - 5</b>			
10 min, 16mm film, optical sd, b&w			
Producer USBEH	Agency No. C-105		
Title No. 003422	Sale \$23.25		
Shows four lesson segments demonstrating advanced stages of pitch learning.			
From the <b>TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Essentials of Good Speech</b>			
<b>PITCH BUTTONING AND BLOCKING</b>			
30 min, 16mm film, optical sd, b&w	1944		
Producer USOE	Agency No. OE 182		
Title No. 600080	Rental \$10.00 Sale \$52.00		
Demonstrates blocking large convex lenses, blocking with pagoda tool, use of ring button, buttoning and blocking with pitch points, and pitch buttoning and blocking very small lenses.			
From the <b>OPTICAL CRAFTSMANSHIP series. Spherical Surfaces</b>			
<b>PLACE IN HISTORY, A</b>			
28 min, 16mm film, optical sd, col	1970		
Producer USNLE			
Title No. 600375	Sale \$109.25		
Depicts General Eisenhower's entire life and emphasizes his role in World War II as well as his White House years. Narrated by Lorne Greene.			
<b>*PLACE TO MEET, A - A WAY TO UNDERSTAND</b>			
35 min, 16mm film, optical sd, col	1971		
Producer USSR			
Title No. 002159	Rental \$15.00 Sale \$175.00		
Documents a unique experiment in American life--an attempt to bring to life an idea that will be new to many Americans--the idea that children and the occupational world of most adults do not need to remain apart.			
<b>PLACING THE RIGHT MAN ON THE JOB</b>			
13 min, 16mm film, optical sd, b&w	1944		
Producer USOE	Agency No. OE 156		
Title No. 003030	Rental \$7.50 Sale \$23.75		
Dramatizes cases of five different workers, unsatisfactory in particular jobs, who are reassigned to other jobs more suitable to their abilities and capacities.			
From the <b>PROBLEMS IN SUPERVISION series</b> .			
<b>PLACING THE RIGHT MAN ON THE JOB (SPANISH)</b>			
13 min, 16mm film, optical sd, b&w	1944		
Producer USOE	Agency No. OE 156		
Title No. 003089	Rental \$7.50 Sale \$23.75		
Dramatizes cases of five different workers, unsatisfactory in particular jobs, who are reassigned to other jobs more suitable to their abilities and capacities.			
From the <b>PROBLEMS IN SUPERVISION series</b> .			
<b>PLAGUE CONTROL</b>			
21 min, 16mm film, optical sd, col	1945		
Producer USN	Agency No. MN04049		
Title No. 003031	Sale \$135.00		
Explains the chief clinical types of plague, the type of environment in which plague tends to flourish, the role of the rat and rat flea, and rat control measures.			

**PLAQUE IN SYLVATIC AREAS**

26 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0440  
Title No. 003032 Sale \$88.00  
Shows the world history of plague and its introduction into the U.S. particularly in the sylvatic areas of the west. Describes the importance of the control of transmission agents, including the rodent-borne fleas, and discusses methods of rapid diagnosis and treatment.

**PLAIN INDEXING AND CUTTING A SPUR GEAR**

26 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 015  
Title No. 600900 Rental \$10.00 Sale \$45.50  
Explains diametral pitch and the parts of a gear tooth, the use of the dividing head for spacing teeth and the operations of a milling machine in the cutting of a spur gear.

**PLAN FOR PROTECTION**

14 min, 16mm film, optical sd, col 1964  
Producer USAF  
Title No. 003133 Sale \$48.50  
Shows damages caused by three major hurricanes in Providence, Rhode Island, and the Corps of Engineers' plans for the protection of the entire Narragansett Bay area by the use of two hydraulic models. One model was of the entire Bay and the other was a larger scale model of east passage, the main navigation entrance. Shows tests conducted to prove the maneuverability of Navy vessels through one of the barriers during the worst storm of record.

**\*PLAN FOR SURVIVAL**

34 min, 16mm film, optical sd, col 1963  
Producer USBM  
Title No. 003547 Sale \$137.00  
Covers the construction of the barricade and other (correct and safe) barricading procedures, and the organization of rescue and recovery operations on the surface. A mine rescue team, after careful and systematic searching, finally free the men.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**PLANE IS BORN, A**

27 min, 16mm film, optical sd, col 1968  
Producer USFAA Agency No. FA-602  
Title No. 003034 Sale \$98.00  
Describes how FAA works with manufacturers in the design, manufacture and certification of new aircraft.  
CLEARED FOR TV.

**PLANE SENSE**

28 min, 16mm film, optical sd, col 1968  
Producer USFAA Agency No. FA-807  
Title No. 003035 Sale \$101.50  
Offers hints about buying a used aircraft, outlines responsibilities in maintaining and recording the maintenance of the aircraft and engine, and shows how to keep abreast of current FAA regulations.  
CLEARED FOR TV.

**PLANES IN THE SKY, SHIPS IN THE SEA**

28 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10653  
Title No. 601401 Sale \$113.50  
Portrays the role of the Naval Ships Research and Development Center and affiliated laboratories in developing modern Naval Ships and equipment.

**PLANETARY GEARS, PRINCIPLES OF OPERATION, PT 1, SINGLE SETS**

18 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. TF09-1855  
Title No. 003037 Sale \$32.00  
Describes the use and operation of planetary gears, covering the basic components, the laws of mechanical operation, and

the results. Illustrates through a scale model the mechanics of planetary gears.

**PLANETARY GEARS, PRINCIPLES OF OPERATION, PT 2, MULTIPLE SETS**

15 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. TF09-1856  
Title No. 003036 Sale \$27.00  
Demonstrates, through the use of a scale model, the principles of operation governing multiple sets of planetary gears.

**PLANING A DOVETAIL SLIDE**

28 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 067  
Title No. 601690 Rental \$10.00 Sale \$48.75  
Tells how to set up the workpiece, cutting tools, and machine. Shows how to make rough and finish cuts in the clearance slot, and make angle cuts.  
From the MACHINE SHOP WORK series. Operations on the Planer, No. 2

**PLANING A FLAT SURFACE**

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 66  
Title No. 003038 Rental \$7.50 Sale \$38.50  
Shows function of a planer, how to mount the work-piece, set the tool and table for the cut, make a first and second roughing, and a first and second finishing cut.  
From the MACHINE WORK SHOP series. Operations on the Planer, No. 1

**PLANING A FLAT SURFACE (SPANISH)**

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 66  
Title No. 003090 Rental \$7.50 Sale \$38.50  
Shows function of a planer, how to mount the work-piece, set the tool and table for the cut, make a first and second roughing, and a first and second finishing cut.  
From the MACHINE WORK SHOP series. Operations on the Planer, No. 1

**PLANING ROUGH SURFACES TO DIMENSIONS**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 301  
Title No. 601740 Rental \$7.50 Sale \$30.50  
Describes how to prepare wood for planing and how to plane stock to uniform thickness, determine the amount of cut to be made, regulate the speed of feeding and adjust the surfer to cut straight surfaces.

**PLANNING AND LAYING OUT WORK**

10 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 151  
Title No. 602150 Sale \$17.50  
Depicts a plant supervisor's talk to his son, who has built a boat in the basement too large to go through the door, about the necessity for planning a job in advance, and recounts several illustrative experiences at the plant.  
From the PROBLEMS IN SUPERVISION series.

**\*PLANNING FOR THE EVALUATION OF SPECIAL EDUCATION PROGRAMS**

74 2x2 slides, 1/4 in. audiotape, col 1970  
Producer USOE  
Title No. 002160 Sale \$12.00  
Disposes of the supposition that evaluation can only be handled by specialists and emphasizes that evaluation refers to decision-making. Gives help to anyone involved in programs for handicapped children.

**\*PLANT FOR THE FUTURE**

11 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 3924  
Title No. 003782 Sale \$52.00  
Tells a story of how a group of growers formed a home industry designed to grade and pack fresh apples for today's demanding markets. With assistance from the Rural Areas Development Program, these Pennsylvania farmers formed a packing cooperative THT benefited the locality as well as themselves.

<b>*PLANT HEALTH PROGRAM, A</b>	Commission's program for the safe use of nuclear explosives for civilian applications.		
55 ft, 35mm filmstrip, 1.4 in. audiotape, b&w Producer USNMAC Title No. 002161 Shows a typical occupational health program in operation in a modern printing plant.	1955 Agency No. SPF-209 Sale \$6.00		
<b>*PLANTING ISN'T ENOUGH</b>			
14 min, 16mm film, optical sd, col Producer USDA Title No. 002705 The north country may be embarking on a new era because of tree plantations. But planting is not enough. Proper management, which is good business, can double annual growth. Values other than wood also increase, such as recreation, good water, and wildlife habitat.	1959 Agency No. 1411 Sale \$64.00		
<b>PLASTIC ISOLATORS - NEW TOOLS FOR MEDICAL RESEARCH</b>			
14 min, 16mm film, optical sd, col Producer USNMAC Title No. 001348 Demonstrates how inexpensive plastic isolators will protect laboratory animals from contamination during research studies. These isolators are also being used to protect personnel from virulent organisms, noxious fumes and radioactive dusts.	1964 Agency No. M-0599 Sale \$48.50		
<b>PLATE DETECTOR</b>			
30 min, 16mm film, optical sd, b&w Producer USAF Title No. 003041 Discusses the purpose of each component in the plate detector circuit and explains how the circuit recovers ultrastructure of the megakaryocyte as well as the advantages and limitations of the plate detector with reference to selectivity, sensitivity and signal handling ability. Using an actual plate detector trainer and a synchroscope, demonstrates output waveshapes from the plate detector. (Kinescope)	Agency No. TVK 30-523 Sale \$62.50		
<b>PLATE-COUPLED MULTIVIBRATOR - VT</b>			
40 min, 16mm film, optical sd, b&w Producer USAF Title No. 003042 Discusses the purpose of each component in the plate-coupled multivibrator circuit, the construction of a waveform graph, and how to maintain stability. (Kinescope)	Agency No. TVK 30-809A Sale \$82.25		
<b>PLATELET MORPHOLOGY FUNCTION</b>			
28 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 003043 Describes the origin of the circulating platelet beginning with the megakaryocyte in the bone marrow. Ultrastructure of the megakaryocyte as well as the platelet is shown using electron microscope and scanning microscope illustrations. Process of platelet adhesion, and aggregation, as well as tests of platelet function are described. (Kinescope)	1969 Agency No. T-1723 Sale \$57.50		
<b>PLIERS AND SCREW DRIVERS</b>			
15 min, 16mm film, optical sd, b&w Producer USA Title No. 003044 Demonstrates the proper use of pliers and screw drivers and safety precautions to be observed in their use.	1943 Agency No. TF9-2027 Sale \$27.00		
<b>PLOW THAT BROKE THE PLAINS, THE</b>			
25 min, 16mm film, optical sd, b&w Producer USDA Title No. 605350 Depicts social and economic history of Great Plains from the settlement of prairies by cattlemen and farmers through the World War I boom to drought and Depression. Also, gave the initial impetus to the American documentary film.	1936 Rental \$10.00 Sale \$54.75		
<b>PLOWSHARE</b>			
28 min, 16mm film, optical sd, col Producer USAEC Title No. 000969 Uses motion pictures and animation to explain the development and aims of the Plowshare Program, the Atomic Energy	1965 Sale \$185.50		
<b>*PLUM ISLAND ANIMAL DISEASE LABORATORY</b>			
24 min, 16mm film, optical sd, col Producer USDA Title No. 008492 Illustrates the nation's first laboratory for the study of foot-and-mouth disease and the center of research to determine ways of eradicating foreign contagious animal diseases. Shows the careful safety measures provided for both animals and men, isolation safeguards, ND facilities provided to conduct experiments designed to guard America's livestock.	1958 Agency No. 1260-11 Sale \$108.00		
<b>PLUNGE CUT GRINDING</b>			
15 min, 16mm film, optical sd, b&w Producer USOE Title No. 605400 Shows how to mount a bushing on a mandrel, dress the side of the grinding wheel, set a dial snap gage for the production grinding of bushings, and rough- and finish-grind a bushing. Stresses rhythm in grinding. From the MACHINE SHOP WORK series. Operations on the Center-Type Grinder, No. 4	1944 Agency No. OE 083 Rental \$7.50 Sale \$27.00		
<b>PLUTONIUM FUEL FABRICATION FOR MTR</b>			
11 min, 16mm film, optical sd, col Producer USAEC Title No. 003047 Explains that the materials testing reactor (MTR) at AEC's National Reactor Testing Station, Idaho, has been operated utilizing plutonium as the entire fissile fuel charge.	1958 Sale \$55.00		
<b>PLUTONIUM FUEL FABRICATION, EBR-I, MARK 4</b>			
10 min, 16mm film, optical sd, col Producer USAEC Title No. 003046 Explains that fabrication of plutonium fuel and test pieces is complicated by consideration of stability, pyrophoricity, and radioactive toxicity.	1961 Sale \$38.00		
<b>PLUTONIUM METAL PREPARATION</b>			
12 min, 16mm film, optical sd, b&w Producer USAEC Title No. 003048 Shows the process and equipment designed and used at Los Alamos Scientific Laboratory in converting plutonium from a nitrate solution to elemental metal.	1958 Sale \$35.00		
<b>PLUTONIUM RECYCLE</b>			
17 min, 16mm film, optical sd, col Producer USAEC Title No. 003049 Explains that the nuclear-economic advantages of plutonium depend upon the performance of the multiple recycle.	1964 Sale \$67.00		
<b>PM-1 NUCLEAR POWER PLANT</b>			
20 min, 16mm film, optical sd, col Producer USAEC Title No. 003050 Supplies the power for the radar and space heating of a remote Air Defense Command radar station in Wyoming. Gives details on major components and the design and operation of the system.	1962 Sale \$75.50		
<b>PM-3A NUCLEAR POWER PLANT-ANTARCTICA</b>			
20 min, 16mm film, optical sd, col Producer USAEC Title No. 003051 Gives details on the plant's pressure vessel, coolant, nuclear fuel, control rods, switchgear, heattransfer equipment, turbogenerator, and other major components.	1963 Sale \$79.25		
<b>POETRY OF POLYMERS, THE</b>			
19 min, 16mm film, optical sd, col Producer USNASA Title No. 003053 Shows a research in polymers being performed. The molecular structure of polymers is explained and the molding of a	1967 Agency No. HQ 143 Sale \$81.75		

\* INDICATES NEW ENTRY

polymer from basic ingredients is demonstrated. The challenge of inquiring into the basic nature of materials is dramatically presented.

#### POINT CONTROL OF TRAFFIC

32 min, 16mm film, optical sd, b&w 1955  
Producer USA Agency No. TF19-2137  
Title No. 003052 Sale \$55.25  
Explains that point control of traffic is essential for the smooth and rapid movement of troops and supplies.

#### POINT OF VIEW

41 min, 16mm film, optical sd, b&w 1962  
Producer USOE Agency No. OE 502  
Title No. 003054 Rental \$12.50 Sale \$70.00  
Demonstrates the 'Discovery' method as applied to the teaching of English. Louis C Zahner leads a class of 7th graders to see the implications of point of view in writing and speaking.

#### POLARIS TO POSEIDON

15 min, 16mm film, optical sd, col 1966  
Producer USN Agency No. MN09442  
Title No. 003055 Sale \$50.00  
Tells the story of one of the Navy's major contributions to world peace--the Polaris missile submarine and the men who operate her.

#### POLARIS, BLUE AND GOLD

10 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. MN09756  
Title No. 003056 Sale \$65.00  
Protrays the blue and gold crews of the U S Navy fleet Ballistic Missile Submarines on patrol in the Atlantic ocean. Shows life in a typical Polaris submarine.

#### POLE LINE CONSTRUCTIO. PT 3, ERECTING POLES AND ATTACHING CROSSARMS

26 min, 16mm film, optical sd, b&w 1958  
Producer USA Agency No. TF11-2716  
Title No. 003057 Sale \$45.50  
Stresses the selection of most suitable type of crossarm installation to safely support communication circuits.

#### POLISHING

28 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 184  
Title No. 607760 Rental \$10.00 Sale \$48.75  
Shows how to make concave or convex polishing shell, trim polishing shell to size and cut breathers, set up and use polishing machine, make Newton's ring check with test glass, and correct for hollow condition and high condition.  
From the OPTICAL CRAFTSMANSHIP series. Spherical Surfaces

#### PORCELAIN INLAY TECHNIQUE

3 min, 16mm film, optical sd, col 1967  
Producer USVA Agency No. D-007  
Title No. 003059 Sale: W/DRAWN  
A single concept film. for a descriptive statement, see the series title.  
From the OPERATIVE DENTISTRY - ADVANCED CONCEPTS Series.

#### PORCELAIN PROTECTED SURFACE WIRING

19 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 376  
Title No. 509360 Rental \$7.50 Sale \$33.75  
Tells how to make an electrical entrance to a building, install wiring and porcelain fittings, support and insulate wires, and prepare and connect wires for service.  
From the ELECTRICAL WORK series. Wiring, No. 9\*

#### PORT PREPAREDNESS

23 min, 16mm film, optical sd, col 1967  
Producer USOCD Agency No. DODCD55-257  
Title No. 003060 Sale \$78.25  
Shows how port managements from coast to coast and from the Great Lakes to the Gulf are now making preparations to meet emergencies.  
Cleared for TV.

#### PORTRAIT OF ANTARCTICA

23 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN 8942  
Title No. 003061 Sale \$78.25  
Report of the naval and scientific efforts being conducted in the Antarctic during Operation Deep Freeze.

#### PORTSMOUTH STORY, THE

23 min, 16mm film, optical sd, b&w 1958  
Producer USAEC  
Title No. 003063 Sale \$45.00  
Describes the construction of the Commission's gaseous diffusion plant at Portsmouth, Ohio.

#### POSITIVE APPROACH TO THE PSYCHIATRIC PATIENT, A

30 min, 16mm film, optical sd, b&w 1955  
Producer USVA  
Title No. 003062 Sale \$52.00  
Shows the treatment in Veterans Administration hospitals for psychiatric patients who have emerged from acute episodes of mental illness but who are not yet well enough to leave the hospital. Uses a hospital ward unit as the focal setting, and stresses the roles of the nurse, aide, and physician.

#### POSTAL SOURCE DATA SYSTEM, THE

18 min, 16mm film, optical sd, col  
Producer USPO  
Title No. 004377 Sale: W/DRAWN  
Portrays how the Post Office Department had applied one of the marvels of this electronic age to benefit the mail service. Explains why the Department found it necessary to install 'the largest computer system of its kind' and depicts what the equipment will do.

#### POSTOPERATIVE CARE

14 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MN08576G  
Title No. 003064 Sale \$25.50  
Describes the duties and responsibilities of hospital corpsmen in caring for patient immediately after surgery.

#### POSTURAL DRAINAGE-PATIENT POSITIONING

9 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1573  
Title No. 003065 Sale \$29.25  
Demonstrates the various positions of the body which are used to drain the lung segments of the patient with chronic obstructive pulmonary disease.

#### \*POTENTIAL UNLIMITED

20 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 1503  
Title No. 003781 Sale \$91.00  
Explains the importance of continuous supervisor-employee relationship. It makes clear the employee development responsibilities of supervisors, and explains how to conduct the annual employee development interview.

#### POULTRY PROCESSING INSPECTION

18 min, 16mm film, optical sd, col 1955  
Producer USAF Agency No. TF 8151  
Title No. 612070 Rental \$10.00 Sale \$135.25  
Outlines poultry processing inspection procedures required by the U. S. department of Agriculture, U. S. Public Health Service, and medical services of the Army and the Air Force.

#### \*POVERTY IN RURAL AMERICA

29 min, 16mm film, optical sd, b&w 1965  
Producer USDA Agency No. 4910  
Title No. 003780 Sale \$62.00  
Takes you where the 'Hidden Americans' live--into the mountain hollows, to the end of the rutted dirt roads, and into the bypassed communities. The people tell their own story of their problems, their privations, and their hopes.

#### POWDER METALLURGY, PT 1, PRINCIPLES AND USES

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 346  
Title No. 612200 Rental \$7.50 Sale \$33.75  
Discusses the principles of powder metallurgy and its major

industrial applications. Depicts the laboratory process of combining silver and nickel powders  
From the ENGINEERING series

**POWDER METALLURGY, PT 2, MANUFACTURE OF POROUS BRONZE BEARINGS**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 347

Title No. 612201 Rental \$7.50 Sale \$27.00

Shows how metal powders are fabricated into porous bronze bearings and impregnated with oil.

From the ENGINEERING series.

**POWER AND POWER FACTOR**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-218

Title No. 003066 Sale \$70.50

Explains the difference between true power and apparent power in a series RC or RL circuit. Then gives the power factor, with the equations for both true and apparent power. Explains a few examples of computing the power factor, true power, and apparent power. (Kinescope)

**POWER AND PROMISE**

29 min, 16mm film, optical sd, col 1959  
Producer USAEC

Title No. 003067 Sale \$121.00

Tells the story of the atomic power reactor at Shippingport, Pa.

**\*POWER AND THE LAND**

39 min, 16mm film, optical sd, b&w 1940  
Producer USDA Agency No. 854

Title No. 000661 Sale \$113.00

Tells the story of a typical family-size farm before and after electrification. Shows the formation of an electrical cooperative by a farm group and illustrates savings and benefits brought by electricity.

**POWER BENDING CONDUIT**

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 382

Title No. 612510 Rental \$7.50 Sale \$30.50

Depicts assembly and operation of a floor bender and a portable bender. Shows how to make a 45 degree bend in a 3-inch conduit, make an offset in 1 1/2-inch conduit, and make an offset in conduit already installed.

From the ELECTRICAL WORK series. Wiring, No. 13

**POWER FOR THE MOONSHIP**

28 min, 16mm film, optical sd, b&w 1966  
Producer USNASA Agency No. HQK-SR4

Title No. 003068 Sale \$53.75

Explores the world of fuel cells. Viewers are shown working models of the fuel cell for the Apollo spacecraft, and are given a hint of possible future uses here on Earth.

**POWER SHOVEL PRODUCTIVITY**

30 min, 16mm film, optical sd, col 1969  
Producer USFHWA

Title No. 003069 Sale \$101.00

Highlights the job conditions that determine the yardage output of power shovels on highway grading work, and demonstrates how production is affected by the speed of the dipper cycle, size of dipper load, and frequency and duration of minor delays.

**POWER SUPPLIES**

20 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-303

Title No. 003070 Sale \$43.00

Solves for peak inverse voltage in half and full wave rectifier circuits using a capacitor input filter. Defines bleeder resistor and states the purpose of a permanent load. States which type of filter would be used for high voltage low current, moderate voltage low current, and moderate voltage at high current. (Kinescope)

**POWERHEAD**

5 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02598D

Title No. 003071 Sale \$9.25

Shows adjustment of the speeder spring and construction and operation of the powerhead. Demonstrates the speed-setting control of the governor.

**POWERING APOLLO**

5 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 009

Title No. 003072 Sale \$24.00

An overall view of the Saturn 5 rocket used in the flight to the Moon. The entire launch vehicle is shown, and the role of each of its major parts is briefly explained.

From the APOLLO DIGEST series.

**POWERS OF TEN - DECIMAL CONVERSION AND MULTIPLICATION**

20 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-116A

Title No. 003073 Sale \$42.50

Develops the need for powers of ten, shows the procedures for converting large and small numbers to powers of ten and explains the rules for multiplying powers of ten. (Kinescope)

**POWERS OF TEN - DIVISION AND PREFIXES**

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-116B

Title No. 003075 Sale \$52.50

The rules of division are stated and example problems are solved. Introduces prefixes and shows how to convert from prefix to power of ten, then from power of ten to standard prefix. (Kinescope)

**PRACTICAL PROCEDURES OF MEASUREMENT**

48 min, 16mm film, optical sd, b&w 1951  
Producer USA Agency No. PMF 5145-C

Title No. 003074 Sale \$81.25

Explains the purposes of measurement for safety and for experimental purposes. Discusses the operational principles of the electroscope, ionization chamber, proportional counter, and particularly the geigermuller counter.

**PRACTICAL VIEW OF SYPHILIS, A**

30 min, 16mm film, optical sd, col 1963  
Producer USNMAC Agency No. M-0584

Title No. 003076 Sale \$101.00

Gives a practical overview of the most significant aspects of modern-day syphilis diagnosis and management. Intended for use in medical schools and is designed to simulate a classroom lecture as closely as possible.

RESTRICTED TO PROFESSIONAL DISTRIBUTION.

**PRACTICING MATHEMATICA: SKILLS**

18 min, 16mm film, optical sd, col 1970  
Producer USOE

Title No. 613430 Sale \$74.00

Shows how the effectiveness of drill and practice is highly dependent on when it is used and how it is presented. Illustrates suitable materials, use of a computer terminal, techniques for promoting interest, and ways of identifying appropriate items for drill.

From the PROJECT ON INTERPRETING MATHEMATICS EDUCATION Research Series.

**PRE-EXTRACTION RECORD OF VERTICAL DIMENSION USING PLASTER BANDAGE, A**

9 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-65-CP

Title No. 003078 Sale \$30.25

Demonstrates a simple procedure using plaster bandage to obtain accurate, permanent, pre-extraction records of vertical dimension.

**PREAMBLE TO PEACE**

29 min, 16mm film, optical sd, b&w 1957  
Producer USA Agency No. TV 373

Title No. 004378 Sale: W/DRAWN

Examines the meaning of the U.S. Constitution and its preamble.

From the *BIG PICTURE* series  
CLEARED FOR TV.

#### PRECAST CONCRETE BRIDGE

18 min, 16mm film, optical sd, col 1955

Producer USFHWA

Title No. 003077

Sale \$6.75

Uses construction scenes and animated drawings to show casting of beams, deck slabs, and curb sections, driving of piles, construction of bent caps, placement of pre-cast units, and final operations in completing a three span structure.

#### PRECISION GAGE BLOCKS

18 min, 16mm film, optical sd, b&w 1945

Producer USOE

Title No. 614200

Agency No. OE 49

Rental \$7.50 Sale \$32.00

Shows various uses of gage blocks in setting inspection gages - how to calculate gage blocks, and clean assemble the blocks.

#### \*PRECISION OF ARTICULATION IN HEARING CHILDREN

17 min, 16mm film, optical sd, col

Producer USDHEW

Title No. 000349

Sale \$60.00

A technical film which interprets a sound spectrogram in order to analyze the precision of a child's speech represented as a function of age.

#### PREFACE TO A LIFE

29 min, 16mm film, optical sd, b&w 1950

Producer USNMAC

Title No. 004379

Agency No. MIS-0266

Rental \$10.00 Sale: W/DRAWN

Parental influence on a child's developing personality is illustrated by a series of episodes showing the effects of an overly solicitous mother and an overly demanding father. In contrast, shows the healthy childhood resulting when both parents accept their child as an individual.

#### PREFLIGHT INSPECTION - AIRPLANE

17 min, 16mm film, optical sd, b&w 1945

Producer USOE

Title No. 003079

Agency No. OE 280

Sale \$35.75

Shows the necessity for careful and thorough inspection. Tells how to use the 'circle method' to inspect landing gear, wings, fuselage, tail surfaces, cabins, controls, and instruments.

From the *AIRCRAFT WORK* series. Preventive Maintenance

#### PREFLIGHT INSPECTION - ENGINE

13 min, 16mm film, optical sd, b&w 1945

Producer USOE

Title No. 003080

Agency No. OE 281

Sale \$28.50

Tells how to check the general condition of an aircraft engine--inspect the fuel system, ignition system, and engine fittings and attachments. Describes how to conduct an engine run-up and complete the inspection procedure.

From the *AIRCRAFT WORK* series. Preventive Maintenance

#### PRELIMINARY IMPRESSIONS FOR COMPLETE DENTURES - ALGINATE METHOD

12 min, 16mm film, optical sd, col 1969

Producer USVA

Title No. 003081

Agency No. D-19-CP

Sale \$43.00

Demonstrates a simple and efficient method of using wax modifications in stock trays to obtain primary impressions with alginate.

#### PRELUDE TO WAR

54 min, 16mm film, optical sd, b&w 1942

Producer USWD

Title No. 003082

Agency No. OF 01

Rental \$15.00 Sale \$113.00

Describes the events leading up to World War II. Shows the development of fascism in Germany, Italy and Japan, and the beginning of Japanese aggression in Manchuria. Dwells on the rise of nazism in Germany.

From the *WHY WE FIGHT* series.

#### PREOPERATIVE CARE

16 min, 16mm film, optical sd, b&w 1952

Producer USN Agency No. MN08576F

Title No. 006412 Sale \$28.50

Presents the duties and responsibilities of hospital corpsmen in preparing a patient for surgery in the 16- to 24-hour period immediately preceding the operation.

#### PREOPERATIVE EVALUATION OF LUNG FUNCTION

40 min, 16mm film, optical sd, b&w 1964

Producer USNMAC Agency No. T-1819-X

Title No. 002603 Sale \$81.00

Demonstrates a practical workup and management of patients with chronic respiratory disease before, during and after surgery. By Edward Gaensler, Md, Boston University School of Medicine. (Kinescope)

#### PREPARATION AND STAINING OF FECAL SMEARS FOR PARASITOLOGICAL EXAMINATION

8 min 16mm film, optical sd, col 1965

Producer JSNMAC Agency No. M-0760

Title No. 002550 Sale \$26.00

Demonstrates the Trichrome Staining technique for the detection of intestinal parasites.

#### PREPARATION FOR DOCKING WITH KEEL AND BILGE BLOCKS

14 min, 16mm film, optical sd, b&w 1944

Producer USN Agency No. MN02352A

Title No. 002564 Sale \$25.50

Examines the graving dock and demonstrates the placement of keel and bilge blocks according to the docking plan.

#### PREPARATION OF A CULTURE MEDIUM

14 min, 16mm film, optical sd, b&w 1949

Producer USNMAC Agency No. 04-0089.1

Title No. 003083 Sale \$25.50

Demonstrates the necessity for bacteriologic diagnosis of tuberculosis, and advantages of the modified Lowenstein medium. Shows ingredients, preparation, tubing, inspissating, testing, and storing of the medium. User should supplement film with current data.

#### PREPARATION OF PONTICS FOR PIN RECEPTION AND LINGUAL CONTOUR

10 min, 16mm film, optical sd, col 1969

Producer USVA Agency No. D-42-FP

Title No. 002597 Sale \$35.00

The procedures necessary to convert a denture tooth into a reverse pin pontic are shown and described. The lingual surface is prepared for a metal backing which will permit incisal translucency compatible with natural appearance. Staggered pin positions to serve as retentive elements are placed into the prepared surface.

#### PREPARATION OF PRIMARY MAMMALIAN KIDNEY CELL CULTURE

13 min, 16mm film, optical sd, col 1965

Producer USNMAC Agency No. M-0848

Title No. 003040 Sale \$45.25

Demonstrates a commonly used procedure for preparing primary cell cultures from monkey kidney tissue. Shows preparation of the animal, surgical procedures used in removing the kidneys, technique of dissecting the tissue and treatment with trypsin to obtain a cell suspension. The method of determining the cell concentration by microscopic means is explained.

#### PREPARATION OF SPUTUM SPECIMENS

16 min, 16mm film, optical sd, b&w 1949

Producer USNMAC Agency No. 04-0089.2

Title No. 003045 Sale \$28.50

Shows the technique of sputum preparation used in laboratory diagnosis of tuberculosis to simplify diagnostic methods and to supplement mass X-ray programs. User should supplement film with current data.

**PREPARATION OF TEACHERS**

20 min, 16mm film, opt. cal sd, b&w 1950  
 Producer USDS  
 Title No. 003039 Rental \$7.50 Sale \$42.50  
 Shows teacher education at Ball State Teachers cOllege in Muncie, Indiana.

**PREPARATION OF THICK AND THIN BLOOD FILMS**

6 min, 16mm film, optical sd, col 1967  
 Producer USNMAC Agency No. M-1433  
 Title No. 003094 Sale \$19.50  
 Demonstrates techniques of preparing blood films for the detection of blood parasites. Shows examples of good and poor films.

**PREPARE WITH CARE**

15 min, 16mm film, optical sd, col 1969  
 Producer USPO  
 Title No. 615329 Sale \$62.25  
 Provides an informational and motivational look at modern mail handling machines used in many U S Post Offices. Explains the importance of preparing U S Government mail properly for maximum service.

**PREPARING A CUPOLA FOR CHARGING**

21 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 436

Title No. 615410 Rental \$7.50 Sale \$37.00  
 Describes how to recognize the end of a heat. Gives procedures for dropping bottom and for preparing a cupola for its next heat.

From the FOUNDRY WORK series. Melting Practice

**PREPARING AND SETTING A KEELBLOCK AND BOTTOM CRADLE**

18 min, 16mm film, optical sd, b&w 1942  
 Producer USOE Agency No. OE 024  
 Title No. 003102 Sale \$37.50

Describes use of base line, vertical centerline, buttock lines, waterlines, and frame lines in checking dimensions during ship construction. Tells how to lay a keelblock, use templates to make spauls, and erect a ship cradle.

From the SHIPBUILDING SKILLS series Work of Ship- Fitter and Shipwright, No. .

**PREPARING FOR TOMORROW'S WORLD**

26 min, 16mm film, optical sd, col 1969  
 Producer USAEC

Title No. 003104 Sale \$88.00  
 Examines career possibilities for high school science students in the field of nuclear science.

**PREPARING OLD BUILDINGS FOR WIRING**

21 min, 16mm film, optical sd, b&w 1945  
 Producer USOE Agency No. OE 378

Title No. 615500 Rental \$7.50 Sale \$37.00  
 Discusses how to plan the wiring paths, visualize the obstructions, and prepare the paths for the wiring runs.

From the ELECTRICAL WORK series. Wiring, No. 7

**\*PRESCHOOL LESSON IN CUED SPEECH, A**

7 min, 16mm film, optical sd, col  
 Producer USBEH  
 Title No. 000350 Sale \$29.50  
 The film presents a short teaching segment which incorporates manipulative visuals, hand signs and language to 2-3 Yr. old hearing impaired children.

**OTHER FORMAT(S) or VERSION(S)**

7 min, 8mm cartridge, optical sd, col  
 Producer USBEH  
 Title No. 003712 Sale \$25.75

**\*PRESCRIBED BURNING IN THE SOUTH**

24 min, 16mm film, optical sd, col 1959  
 Producer USDA Agency No. 1354

Title No. 0C 3779 Sale \$108.00  
 Informs foresters and fire suppression crews as to be the objectives, planning, execution, and benefits of correct prescribed burning in pine forests of the southern United States.

**PRESCRIPTION O T**

22 min, 16mm film, optical sd, b&w 1959  
 Producer USVA  
 Title No. 003105 Sale \$38.50  
 Orient resident physicians to occupational therapy, giving the prescription and explaining how occupational therapy carries out the prescription.

**PRESCRIPTION ROSES**

28 min, 16mm film, optical sd, col  
 Producer USHSMH  
 Title No. 003109 Sale \$119.50  
 Acquaints medical and para-medical groups with the concept of comprehensive patient care.

**PRESERVATION OF BACTERIA BY DESICCATION IN VACUO**

11 min, 16mm film, optical sd, b&w 1949  
 Producer USNMAC Agency No. 4-102  
 Title No. 003110 Sale \$19.25  
 Demonstrates the technique for desiccation in vacuo as a method of preservation for most bacteria. Recommended for professional use. User should supplement film with current data.

**PRESIDENCY, THE**

28 min, 16mm film, optical sd, b&w 1967  
 Producer USDOD Agency No. AFIF 0163  
 Title No. 615974 Rental \$10.00 Sale \$48.75  
 Depicts the evolution of the constitutional powers and day-to-day duties of the Office of President. Tells how Presidential powers and responsibilities have grown far beyond the dreams of the founding fathers and have become almost too burdensome for one person. Shows how Presidential decisions have shaped the character of our nation and even created turning points in history. Discusses the relationship of the Executive, Judicial and Legislative branches of government and points out the system of checks and balances maintained on the Presidential Office.

**\*PRESIDENT PLANTS A TREE, THE**

7 min, 16mm film, optical sd, col 1958  
 Producer USDA Agency No. 1394  
 Title No. 616450 Sale \$38.00  
 Describes and pictures the trees planted by Presidents on the White House lawn. includes views of President Eisenhower planting the tree of his choice.

**PRESSURE SYSTEMS AND WIND**

19 min, 16mm film, optical sd, col 1963  
 Producer USA Agency No. TF46-3274  
 Title No. 003111 Sale \$65.00  
 Depicts phenomena of pressure systems and wind flow and how they affect weather and flight conditions.

**\*PRESTRESSED CONCRETE PAVEMENT CONSTRUCTION**

25 min, 16mm film, optical sd, col 1973  
 Producer USFHTWA  
 Title No. 000897 Sale \$99.75  
 Shows a pictorial record of the first substantial section of prestressed concrete highway pavement built in the United States. The highway was built to test the practicality of the design and construction techniques and to gain added knowledge concerning maintenance requirements and construction costs.

**\*PREVENTING COAL PNEUMOCONIOSIS THROUGH ENGINEERING CONTROLS**

21 min, 16mm film, optical sd, col 1971  
 Producer USBM  
 Title No. 003546 Sale \$80.00  
 Dramatically describes and explains the causes, effects, and prevention of one of coal mining's most hazardous health problems-pneumoconiosis, or 'black lung.' Methods of detection, control, and suppression of respirable coal dust are suggested, along with the latest developments in environmental research and control.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE

NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**PREVENTION AND CONTROL OF STAPHYLOCCAL INFECTIONS**

14 min., 16mm film, optical sd, b&w 1958  
Producer USNMAC Agency No. M-0356  
Title No. 001841 Sale \$35.50  
Presents an analysis of staphylococcal infections in hospitals, and emphasizes techniques and improved housekeeping procedures to follow in the control of these infections. User should supplement film with current data.

**PREVENTIVE DENTISTRY - THE PREVENTION OF ORAL DISEASE**

16 min., 16mm film, optical sd, col 1963  
Producer USN Agency No. MN09868  
Title No. 003113 Sale \$66.00  
Shows prevention of tooth decay and gum disease as well as beginning, progression and destruction of healthy tissue resulting from neglect.

**PREVENTIVE DENTISTRY - THE PREVENTION OF ORAL DISEASE (SPANISH)**

16 min., 16mm film, optical sd, col 1963  
Producer USN Agency No. MN09868  
Title No. 002163 Sale \$66.00  
Shows prevention of tooth decay and gum disease as well as beginning, progression and destruction of healthy tissue resulting from neglect.

**PREVENTIVE MAINTENANCE OF SIGNAL EQUIPMENT FOR COMMANDERS**

15 min., 16mm film, optical sd, b&w 1951  
Producer USA Agency No. MF11-7915  
Title No. 003103 Sale \$27.00  
Explains the procedures to be followed in the maintenance of ground signal equipment when in storage at army depots.

**PREVENTIVE MEDICINE - A USAF TEAM IN ACTION**

18 min., 16mm film, optical sd, col 1956  
Producer USAF Agency No. TF01-8163  
Title No. 003132 Sale \$61.75  
Explains the field of preventive medicine including mental hygiene, epidemics, water supply, food inspection, nutrition, and the control and prevention of communicable diseases. Gives an example of an Air Force team of preventive medicine officers analyzing, step-by-step, the cases of two officers who became very ill during a flight from Africa.

**PRIMARY PILOT NAVIGATION**

27 min., 16mm film, optical sd, col 1955  
Producer USAF Agency No. TF1-4990  
Title No. 003133 Sale \$91.25  
Emphasizes the importance of a flying cadet's first cross-country solo. Includes the pre-flight preparations and all details of the flight plan and the flight.

**PRINCIPAL DIMENSIONS, REFERENCE SURFACES AND TOLERANCES**

12 min., 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 053  
Title No. 618570 Rental \$7.50 Sale \$22.25  
Shows the relationship between the blueprint and a rough and finished casting. Tells how to use a blueprint in selecting reference surfaces, interpret tolerances, and check the accuracy of finished work.  
From the *MACHINE WORK SHOP* series. Fundamentals of Blueprint Reading, No. 3

**PRINCIPLE OF MOMENTS**

23 min., 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 362  
Title No. 618650 Rental \$10.00 Sale \$40.50  
Explains the concept of moment of a force and presents the formula for finding its numerical value. Discusses the principle of moments as applied to all coplanar force systems.  
From the *ENGINEERING* series. Fundamentals of Mechanics

**\*PRINCIPLES AND PRACTICE OF CARDIOPULMONARY RESUSCITATION**

55 min., 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1500  
Title No. 002164 Sale \$114.75  
Shows a background of cardiopulmonary resuscitation given followed by purpose and requisites. Dr. Gordon then discusses exhaled air ventilation and external cardiac compression.  
Suggested for Professional Groups Only.

**\*PRINCIPLES OF COUNSELING**

24 min., audiotape cassette, 2-track, monaural 1972  
Producer USNIMH  
Title No. 002165  
Available only as part of a series. Discusses some of the common obstacles to effective counseling and suggests some approaches that may be taken by the counselor to overcome them.  
From the *PROFESSIONAL DRUG TAPE* series.

**PRINCIPLES OF FRACTURE REDUCTION**

31 min., 16mm film, optical sd, col 1953  
Producer USVA  
Title No. 003135 Sale \$104.75  
Shows by animation the anatomy in various fractures of the long bones, and demonstrates methods of reduction on individual fractures by traction, counter-traction, and suspension. Emphasizes that the principles of fracture reduction can be applied in any farm house with the materials at hand.

**PRINCIPLES OF GAS-FILLED TUBES**

15 min., 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 353  
Title No. 619400 Rental \$7.50 Sale \$27.00  
Explains the theory of ionization applied to gas filled tubes and control of current in circuits employing gas-filled tubes.

**PRINCIPLES OF GEARING - AN INTRODUCTION**

18 min., 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 363  
Title No. 619450 Rental \$7.50 Sale \$32.00  
Discusses friction gears and toothed gears. Explains the law of gearing, positive driving, pressure angle, involute profiles, cycloid profiles, velocity rates and circular pitch.  
From the *ENGINEERING* series. Fundamentals of Mechanics

**PRINCIPLES OF LEARNING**

23 min., 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF21-2301  
Title No. 003136 Rental \$10.00 Sale \$40.50  
Explains six principles of learning--motivation, objective, doing, realism, background, and appreciation--and emphasizes the importance of understanding and applying them during all phases of instruction.

**PRINCIPLES OF LONG-TERM STEROID THERAPY**

30 min., 16mm film, optical sd, b&w 1967  
Producer USNMAC Agency No. T-1864-X  
Title No. 003137 Sale \$60.50  
Studies complications and hazards of corticosteroid therapy. Suggests minimizing side effects by (1) achieving high local concentration and low systemic dosage via aerosol administration or (2) periodic administration of high doses systemically.

**PRINCIPLES OF LUBRICATION**

16 min., 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 355  
Title No. 619650 Rental \$7.50 Sale \$28.50  
Discusses the need for lubrication and the properties, action and viscosity of lubricants. Describes conditions that determine proper viscosity.  
From the *ENGINEERING* series.

**PRINCIPLES OF OPERATION AND DESIGN**

10 min., 16mm film, optical sd, b&w 1952  
Producer USNMAC Agency No. M-0050-A  
Title No. 003138 Sale \$17.50  
Explains the basic principles of the function, design, and layout of septic tanks for sewage disposal systems. Consist

pictorially of graphics and models. User should supplement film with current data.

#### PRINCIPLES OF PAPERWORK MANAGEMENT

13 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. FN 9433-A  
Title No. 003139 Sale \$45.25  
Describes the qualities of efficient, effective letter writing and suggests ways of obtaining these qualities.

#### PRINCIPLES OF PAPERWORK MANAGEMENT--MANAGING YOUR FORMS

17 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. FN 9433-D  
Title No. 003142 Sale \$58.50  
Describes the efficient design and use of Navy forms and shows common errors. Outlines the procedure for obtaining well-designed forms.

#### PRINCIPLES OF PAPERWORK MANAGEMENT--BETTER CORRESPONDENCE PRACTICES

11 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. FN 9433-C  
Title No. 003141 Sale \$37.25  
Describes nine ways of saving time and money in correspondence management.

#### PRINCIPLES OF PAPERWORK MANAGEMENT--MANAGING YOUR REPORTS

11 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. FN 9433-E  
Title No. 003143 Sale \$37.25  
Describes common deficiencies which occur in reports and in reporting procedures. Describes areas of possible improvements such as quality of content, frequency and timing, preparation procedures, and cost.

#### PRINCIPLES OF PAPERWORK MANAGEMENT--MOVING THE MAIL

14 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. FN 9433-B  
Title No. 003140 Sale \$48.50  
Discusses the administrative and supervisory problem of moving mail quickly and economically. Shows fifteen ways of improving mail movements.

#### PRINCIPLES OF PAPERWORK MANAGEMENT--RECORDS DISPOSAL

15 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. FN 9433-F  
Title No. 003144 Sale \$51.75  
Discusses the records disposal problem and suggests ways of solving it. Describes office management techniques for obtaining efficient use of storage space and providing for the correct disposal of records. Introduces and briefly describes relevant Navy manuals.

#### PRINCIPLES OF REFRIGERATION

20 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 360  
Title No. 619800 Rental \$7.50 Sale \$35.25  
Explains the basic physics of heat transfer. Uses animation to show the compression and the absorption systems of refrigeration.

#### PRINCIPLES OF THERMAL, FAST, AND BREEDER, REACTORS

9 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003145 Sale \$35.00  
Uses animation to explain nuclear fission, chain reaction, and how to control this reaction in three basic types of reactors. Describes the principles of fast, thermal, and breeder reactors. Discusses the plutonium and thorium cycles, and the concepts of the concepts of the moderator and reflector.

#### PRINCIPLES OF X-RADIATION

16 min, 16mm film, optical sd, col 1963  
Producer USVA Agency No. D-8-R  
Title No. 003147 Sale \$60.25  
Emphasizes control of radiation exposure by means of filtering, use of fast film and increase of distance. Explains use

of increased KV for optimal penetration, control of radiation exposure and improvement of image quality.

#### PRINTED CIRCUITS AND THEIR REPAIR

28 min, 16mm film, optical sd, col 1961  
Producer USAF Agency No. TF1-5361  
Title No. 003146 Rental \$12.50 Sale \$94.50  
Explains that the accomplishment of many Air Force missions is dependent upon the reliability of printed circuits. Shows how to manufacture, clean, coat and dry printed circuits, and describes methods and tools used in their repair. Demonstrates how to remove and replace a faulty transistor and some types of emergency repair.

#### PRINTMAKERS

21 min, 16mm film, optical sd, col 1961  
Producer USIA Agency No. 01-02502  
Title No. 004380 Rental: W/DRAWN Sale: W/DRAWN  
Features American graphic artists Worden Day, Seong Moy, Karl Schrag, Gabor Peterdi and Mauricio Lesansky. Explores in depth their works, demonstrating the creative ability and technical skills of each in his individual approach to the art of printmaking.

#### PROBING MIND

29 min, 16mm film, optical sd, b&w 1961  
Producer USOE Agency No. OE 505  
Title No. 620707 Rental \$10.00 Sale \$50.25  
Illustrates the uses of new educational media-films, television, recordings, teaching machines and well-equipped laboratories in the teaching of high-school science.

#### PROBLEM OF HOOKWORM INFECTION, THE

8 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0157  
Title No. 001355 Sale \$27.75  
Emphasizes the dangers of hookworm disease, and pictures the life cycle of the hookworm, conditions in a young girl.

#### \*PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1

6 min, 16mm film, optical sd, col  
Producer USOE  
Title No. 621290 Sale \$22.75  
Illustrates problems of the physically, multiply handicapped and demonstrates supportive devices for task performance. Includes auditory sound production of written letter cues, letter production of auditory cues, blending sound and word reading.  
From the PROJECT SPOT series.

#### OTHER FORMAT(S) OR VERSION(S)

7 min, 16mm film, optical sd, col 1970  
Producer USOE  
Title No. 002166 Rental \$7.50 Sale \$22.75

#### PROBLEMS IN DIAGNOSIS AND MANAGEMENT OF HYPOTHYROIDISM

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1825-X  
Title No. 003149 Sale \$80.25  
Presents a patient with severe myxedema secondary to pituitary tumor. Describes the clinical procedure and laboratory findings common to primary and pituitary myxedema. Explains etiologies and importance of differential diagnosis.

#### \*PROBLEMS IN SELF-HELP TASK PERFORMANCE, PT 2

6 min, 16mm film, optical sd, col 1970  
Producer USOE  
Title No. 002167 Rental \$7.50 Sale \$19.50  
Shows handicapped children attempting to perform certain self-help tasks. The observation guide presents a system of observing and analyzing which parts of the tasks were performed successfully by the student, and which were not. Once the incomplete parts of a task are described, the viewer can decide upon an appropriate teaching strategy.  
From the SYSTEMS FOR PRECISE OBSERVATIONS FOR TEACHERS Series.

\* INDICATES NEW ENTRY

**PROBLEMS IN THE MANAGEMENT OF GRAVES' DISEASE**  
40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1816-X  
Title No. 003150 Sale \$67.50

Follows a case of exophthalmic goiter, discussing complications and therapeutics.

**PROBLEMS OF ANEMIA**  
40 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. T-1840-X  
Title No. 003151 Sale \$78.50

Defines anemia in terms of the signs and symptoms it may cause to the measurable deficiency of hemoglobin. Explains the classification of anemia by cause, and stresses when anemia should not be treated.

**\*PROBLEMS OF SELF-HELP TASK PERFORMANCE, PT 2**  
5 min, 16mm film, optical sd, col  
Producer USOE

Title No. 621590 Sale \$19.50  
Illustrates problems of the physically, multiply handicapped and demonstrates supportive devices for task performance. includes manipulation into standing desk and putting on jacket.

From the PROJECT SPOT series.

**PROCESS OF COMMUNICATION, THE**  
46 min, 16mm film, optical sd, b&w 1966  
Producer USOE

Title No. 003152 Rental \$15.00 Sale \$88.75  
Explores the process of communication beginning with an animated theoretical model, followed by sequences which progressively elaborate and illuminate the theory through illustrations drawn from communications networks in military, industrial, research, and teaching settings. Produced by the Ohio State University Department of Photography for the Office of Education.

From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL Media Series.

**PROCESS OF COMMUNICATION, THE (SPANISH)**  
46 min, 16mm film, optical sd, b&w 1966  
Producer USOE

Title No. 003153 Rental \$15.00 Sale \$88.75  
Explores the process of communication beginning with an animated theoretical model, followed by sequences which progressively elaborate and illuminate the theory through illustrations drawn from communications networks in military, industrial, research, and teaching settings. Produced by the Ohio State University Department of Photography for the Office of Education.

From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL Media Series.

**PROCUREMENT SOURCE SELECTION**  
20 min, 16mm film, optical sd, col 1967  
Producer USA Agency No. MF 38-5154

Title No. F03154 Sale \$68.25  
Explains how the Defense Department and the Army select the source from which a major procurement will be obtained.

**\*PRODUCTION CREDIT DOES THE JOB**  
27 min, 16mm film, optical sd, col 1953  
Producer USDA Agency No. 1146

Title No. 622275 Sale \$138.00  
Explains functions and operations of production credit associations authorized in the 1933 Farm Credit Act.

**\*PROFESSIONAL DRUG FILMS - A SERIES**  
118 min, 16mm film, optical sd, col 1971  
Producer USNIMH

Title No. 002169 Rental \$80.00 Sale \$358.25  
A series of nine motion pictures for health and social service professionals concerned with drug abuse prevention and treatment.

DRUG DIALOGUE--ORIENTATION

BUNNY

GUY

TOM

RICK--FILE X-258375

TREATMENT--NEW TEAMS

DRUG DIALOGUE--INVOLVEMENT

CONFRONTATION--A NURSE AND A DRUG ADDICT

COUNSELING--A CRITICAL INCIDENT

**\*PROFESSIONAL DRUG TAPES - A SERIES**

194 min, audiotape cassette, 2-track, monaural 1972

Producer USNIMH

Title No. 002956 Sale \$10.00

A series of eight talks on four cassette audio tapes for health and social service professionals concerned with drug abuse prevention and treatment.

ABUSE OF STIMULANTS, DEPRESSANTS AND --

ANESTHETICS

BAD TRIP, THE

HALLUCINOGENS

HISTORY OF DRUG ABUSE AND LEGAL CONTROL

MARIHUANA

METHDONE MAINTENANCE

NARCOTICS

PRINCIPLES OF COUNSELING

**PROGRAMMED INSTRUCTION - THE DEVELOPMENT PROCESS**

19 min, 16mm film, optical sd, col

Producer USOE Agency No. OE 508

Title No. 003155 Rental \$10.00 Sale \$65.00

Introduces the viewer to the major stages in the development of programmed instructional materials with primary emphasis on student tryouts and revisions leading to lasting and influential effects on education.

**PROGRAMMED INSTRUCTION - THE DEVELOPMENT PROCESS (SPANISH)**

19 min, 16mm film, optical sd, col

Producer USOE Agency No. OE 508

Title No. 003156 Rental \$10.00 Sale \$65.00

Introduces the viewer to the major stages in the development of programmed instructional materials with primary emphasis on student tryouts and revisions leading to lasting and influential effects on education.

**PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE- A SERIES**

54 min, 16mm film, optical sd, b&w 1966

Producer USOE Agency No. OE 507

Title No. 003157 Sale \$95.50

A series of five short films designed to stimulate teacher discussion of the various uses of programmed instruction in teaching the following subjects--

FIRST GRADE READING

THIRD GRADE SCIENCE

FOURTH GRADE VOCABULARY

FIFTH GRADE GEOGRAPHY

EIGHTH GRADE MATHEMATICS

**PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE- A SERIES (SPANISH)**

54 min, 16mm film, optical sd, b&w 1966

Producer USOE Agency No. OE 507

Title No. 003158 Sale \$95.50

A series of five short films designed to stimulate teacher discussion of the various uses of programmed instruction.

**PROGRAMMED INSTRUCTION AND APHASIA REHABILITATION**

40 min, 16mm film, optical sd, b&w 1965

Producer USNMAC Agency No. M-0886

Title No. 004381 Sale: W/DRAWN

A four part film showing the programmed rehabilitation processes in teaching an aphasiac patient how to learn.

\* INDICATES NEW ENTRY

Sessions devoted to imitation and visual recognition, auditory comprehension, speech, and writing.

#### PROGRAMMED LEARNING IN THE UNITED STATES AIR FORCE

26 min, 16mm film, optical sd, col 1963  
Producer USAF Agency No. TF 5525  
Title No. 003159 Sale \$88.00  
Describes principles of programmed learning and explains how the Air Force is using this revolutionary teaching method to increase quality and quantity of Air Force instructions with a decrease in training cost.  
**CLEARED FOR TV.**

#### PROGRESS IN ALL TRAFFIC CONTROL

20 min, 16mm film, optical sd, col 1966  
Producer USAF Agency No. SFP 1428  
Title No. 003162 Sale \$68.25  
Briefly reviews the history of air traffic control and depicts techniques and systems presently in operation. Describes plans for improved future control and conservation of air space to handle increasing air traffic.

#### PROJECT DUGOUT

9 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003160 Sale \$65.25  
Describes the purpose and objectives of the experiment, previous work with single-charge underground explosions, preparations for the detonation, and resulting row crater.

#### PROJECT ECHO

27 min, 16mm film, optical sd, col 1960  
Producer USNASA Agency No. HQ 024  
Title No. 003161 Sale \$105.75  
Tells the story of the Echo spacecraft and launch vehicles Thor-delta I and Thor-delta II which placed Echo I, a 100 foot sphere in orbit as a passive communications satellite in 1960.

#### PROJECT GASBUGGY--THE RESOURCEFUL ATOM

15 min, 16mm film, optical sd, col 1968  
Producer USAEC  
Title No. 001362 Sale \$78.25  
Describes a project, involving government and industry, to study whether nuclear explosions can be safely used to perform massive underground engineering tasks for more efficient recovery of natural resources.

#### \*PROJECT GEMINI HIGHLIGHTS

38 min, 1/4 in. audiotape, full-track, monaural 1972  
Producer USNASA  
Title No. 002171 Sale \$7.50  
Highlights the flights of projects Gemini 3 through 12, including the first-two-man space flight, the first walk in space, the eight-day flight, the first successful space rendezvous, the longest manned orbital flight, the first docking of two vehicles in space, and the altitude records.

#### PROJECT GNOME

29 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003163 Sale \$189.25  
Provides a technical report on project Gnome, the first experiment of the Atomic Energy Commission's Plowshare Program to study peaceful applications of nuclear explosives. Uses animation to illustrate the basic goals of the program. Discusses the phenomenology of a nuclear explosion in a dry salt medium, power and isotope production studies, and neutron physics experiments.

#### \*PROJECT MERCURY HIGHLIGHTS

25 min, 1/4 in. audiotape, full-track, monaural 1972  
Producer USNASA  
Title No. 002172 Sale \$7.50  
Highlights the flights of project Mercury 3 through 9 from April, 1961 through May, 1963. Each excerpt is identified in advance by a brief introductory narrative.

#### PROJECT ROVER

22 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003164 Sale \$73.50  
Gives an animated explanation of the principle of the nuclear rocket to demonstrate the advantages of the nuclear rocket system. Surveys the design, fabrication, and testing of a Kiwi non-flying test reactor at the Los Alamos scientific laboratory in Nevada.

#### PROJECT SALT VAULT

11 min, 16mm film, optical sd, col 1969  
Producer USAEC  
Title No. 003165 Sale \$49.25  
Shows equipment and procedures required for the permanent, safe, and economical disposal of high level radioactive wastes from nuclear power plants. Project salt vault deals with a two year study carried out by USAEC's Oak Ridge National Laboratory on the feasibility of permanent disposal of these high-level wastes in vacated salt mines, and the key steps in such disposal at an abandoned salt mine in Kansas.

#### PROJECT SEDAN

8 min, 16mm film, optical sd, col 1962  
Producer USAEC  
Title No. 003166 Sale \$54.75  
Discusses the relationships between depth of explosion to crater size and to containment of radioactivity. Features slow motion shots of the detonation. Relates the experiment to possible large-scale excavation projects such as harbors and canals.

#### PROJECT SHOAL

18 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003167 Sale \$74.00  
Describes the selection of the test site near Fallon, Nevada - the pre-shot preparations to insure public safety and to inform the citizens of Fallon of the proposed shot - the reaction of various city groups to the test - the seismic station program - instrumentation - and the results of the detonation.

#### PROJECT SLUSH

21 min, 16mm film, optical sd, col 1963  
Producer USFAA Agency No. FA-217  
Title No. 003168 Sale \$75.50  
Reports the tests conducted at NAFEC using the 88C jet aircraft to determine the effects of slush on jet in acceleration for takeoff.  
**CLEARED FOR TV.**

#### \*PROJECT SPOT-A SERIES

24 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 003423 Sale \$107.25  
Systems of precise observations for teachers is a 3-part demonstration which illustrates problems of the physically, multiply handicapped and demonstrates supportive devices for task performance

#### PROBLEMS IN ACADEMIC TASK PERFORMANCE, PT 1

#### PROBLEMS IN SELF-HELP TASK PERFORMANCE, PT 2

#### DEVICES FOR SELF-HELP TASK PERFORMANCE, PT 3

#### PROPERTIES OF PANCREATIC LIPASE

25 2x2 slides, 1/4 in. audiotape, col 1969  
Producer USNMAC Agency No. S-1731-X  
Title No. 003170 Sale \$7.00  
Emphasizes the specificity of the enzyme for esters of primary alcohol groups and describes the kinetics of reaction of the sequential products.

From the **FAT ABSORPTION IN HEALTH AND DISEASE** series.

#### PROPERTIES OF RADIATION

68 min, 16mm film, optical sd, b&w 1952  
Producer USA Agency No. PMF 5145-B  
Title No. 003169 Sale \$118.00  
Explains the characteristics and properties of primary and

secondary nuclear radiations in terms of their ionizing effects. Introduces concepts concerning the effect of matter on radiation so that absorbing materials can be used to measure radiation characteristics.

#### \*PROSPECT OF TURKEY

32 min, 16mm film, optical sd, col 1967

Producer NATO

Title No. 002949 Rental \$12.50 Sale \$129.00

A study of the condition and present-day Turkey, its successive cultures through the ages, its technical and economic developments, and its military contribution to western collective security.

#### PROSTHETIC ABOVE-KNEE SOCKETS, PT 3

9 min, 16mm film, optical sd, col 1970

Producer USNMAC Agency No. M-1792

Title No. 006441 Sale \$37.25

Describes in detail the quadrilateral or anatomical socket used with above-knee amputations and shows the importance of having the socket fit the stump correctly. Three different methods of suspension are shown.

#### PROSTHETIC BELOW-KNEE SOCKETS, PT 4

6 min, 16mm film, optical sd, col 1970

Producer USNMAC Agency No. M-1793

Title No. 003172 Sale \$26.25

Explains the various qualities of three different below-knee prosthetic sockets and shows each of these being worn by a patient.

#### PROSTHETIC FOOT COMPONENTS, PT 1

7 min, 16mm film, optical sd, col 1970

Producer USNMAC Agency No. M-1790

Title No. 003173 Sale \$29.50

Reviews the various aspects of four types of foot-ankle components and presents patients wearing each of these types.

#### PROSTHETIC KNEE COMPONENTS, PT 2

8 min, 16mm film, optical sd, col 1970

Producer USNMAC Agency No. M-1791

Title No. 003174 Sale \$31.25

Describes the various qualities of five different knee joints which may be used by the patient with an above-knee amputation.

#### PROTECTED SCHOOL, THE

5 min, 16mm film, optical sd, b&w 1965

Producer USOCD Agency No. DODCD05-235

Title No. 003175 Sale \$10.25

Tells the story of the United Consolidated high school built in Webb County, Texas. Tells about the entire school system and who works in this fallout-protected schoolhouse. It is featured in OCD 'Science For survival' exhibits.

CLEANED FOR TV.

#### \*PROTECTION AGAINST RADIOACTIVITY IN URANIUM MINES

27 min, 16mm film, optical sd, col 1969

Producer USBM

Title No. U03545 Sale \$105.50

Presents general description of the radon daughter hazards in uranium mines and outlines the environmental control, principles and procedures which have proven effective in mitigating the hazard. Underground mining scenes show where and how the hazard can originate, and various methods of ventilation are shown on how to correct the condition.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4000 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### \*PSOROPTIC SHEEP AND CATTLE SCABIES

12 min, 16mm film, optical sd, col 1956

Producer USDA Agency No. 1260-9

Title No. 003778 Sale \$53.00

Describes the history of the disease in the United States,

symptoms in cattle and sheep affected with psoroptic scabies, loss of wool and hair, evidence of itching and irritation, and demonstration of causative mites including photomicrography of the mite. Methods of treating infected and exposed animals are also shown, and the principles of sound scabies eradication procedures are outlined.

#### \*PSYCHOLOGICAL HAZARDS IN INFANCY

22 min, 16mm film, optical sd, b&w 1970

Producer USDHEW

Title No. 002173 Sale \$47.75

Presents how in group care and at home, the vital experiences and learnings of infancy may be hampered by inadequate stimulation, insufficient warm attention from adults, or inappropriate handling which is not geared to changing developmental needs. Mild and severe psychological damage and suggests means of prevention.

#### PSYCHOTHERAPEUTIC INTERVIEWING - INTRODUCTION

11 min, 16mm film, optical sd, b&w 1950

Producer USVA

Title No. 003176 Sale \$19.25

Explains basic principles of the doctor-patient relationship, and the structure and goals of the psychotherapeutic interview.

#### PSYCHOTHERAPEUTIC INTERVIEWING - METHOD OF PROCEDURE

32 min, 16mm film, optical sd, b&w 1950

Producer USVA

Title No. 003177 Sale \$55.25

Depicts an interview between a patient and a psychiatrist, analyzes the principles and methods employed in the interview, and emphasizes the importance of the doctor-patient relationship-planning in term of goals, focusing upon relevant topics, and minimal activity on the part of the doctor.

#### PUBLIC HEALTH ASPECTS OF MIGRANT WORKERS, THE

16 min, 16mm film, optical sd, b&w 1955

Producer USNMAC Agency No. M-0194

Title No. 004382 Sale: W/DRAWN

Shows how communicable diseases can be discovered and controlled in the migrant labor group, and explains the problem of disease control created through the migration of laborers.

#### PUBLIC HEALTH ASPECTS OF POULTRY PROCESSING

23 min, 16mm film, optical sd, col 1958

Producer USNMAC Agency No. M-0199

Title No. 003178 Sale \$78.25

associated with the processing, storage, transportation, and sale of commercially processed poultry. Recommends enforcement of the poultry sanitation ordinance developed by the U S Public Health Service in co-operation with state and local agencies.

#### \*PUBLIC HEALTH NURSING IN COMMUNICABLE DISEASE CONTROL

49 fr, 35mm filmstrip, silent, col 1960

Producer USNMAC

Title No. 002174 Sale \$5.50

Explains the role of the Public Health Nurse in the control of communicable diseases - and portrays her activities and responsibilities to the patient, family, community, physician, public health agency, and to herself.

#### PUBLIC HEALTH PROBLEMS IN MASS EVACUATION

13 min, 16mm film, optical sd, b&w 1957

Producer USNMAC Agency No. M-0220

Title No. 003179 Sale \$23.75

Explains the public health problems attending the mass evacuation of an urban population, including--mass feeding, water supply, medical care, waste and sewage disposal, and disease outbreaks. User should supplement film with current data.

**PUBLIC WORKS AND PUBLIC UTILITIES--CONTROL OF CORROSION BY CATHODE PROTECTION - BURIED...**

19 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. MN 8131-E  
Title No. 003180 Sale \$65.00

**FULL TITLE--PUBLIC WORK AND PUBLIC UTILITIES--CONTROL OF CORROSION BY CATHODE PROTECTION - BURIED METAL STRUCTURES.** Shows methods of determining the need for installing cathodic protective systems. Demonstrates installation, adjustments, and operational inspections required for the galvanic anode system and the impressed current system.

**\*PUERTO RICO - MORE OR LESS**

22 min, 16mm film, optical sd, col 1972  
Producer USDA Agency No. 9920  
Title No. 005293 Sale \$115.00

Shows many of the beauties of Puerto Rico, then animals to the people to enhance their island through planting trees and preserving other natural resources. It shows the work of the Institute of Tropical Forestry and the research that is being carried on to improve the forests of Puerto Rico.

**PULLING AND INSTALLING CABLE AND PACKING TERMINAL TUBES**

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 113  
Title No. 627710 Sale \$33.25

Tells how to pull, strap, and straighten cable. Describes how to prepare cable for pushing and for pulling with a rope, and pack terminal tubes.

From the SHIPBUILDING SKILLS series. Marine Electricity, No. 4

**PULMONARY CRYPTOCOCCOSIS**

16 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1891  
Title No. 003181 Sale \$28.50

Presents a brief but comprehensive review of the epidemiology of pulmonary cryptococcosis as well as the clinical and radiologic findings. The laboratory techniques for the isolation and identification of the etiologic agent are also discussed. Cryptococcosis neoformans, and the significance of serologic studies in the diagnosis and treatment of this disease are discussed. (Kinescope)

**PULMONARY DISEASE CONFERENCE, PT 1**

30 min, 16mm film, optical sd, b&w 1967  
Producer USNMAC Agency No. T-1861-X  
Title No. 003182 Sale \$60.50

Discusses complaints which patients usually bring to their doctors--cough, shortness of breath, chest pain, hemoptysis, or an unsuspected X-ray. Discussed by Doctors Theodore L Badger, George W B Starkey, Kenneth T Bird, and Lloyd E Hawes of the Harvard medical school. (Kinescope)

**PULMONARY DISEASE CONFERENCE, PT 2**

30 min, 16mm film, optical sd, b&w 1967  
Producer USNMAC Agency No. T-1862-X  
Title No. 003183 Sale \$60.50

Continues discussion of complaints which patients usually bring to their doctors.

**PULMONARY HISTOPLASMOSIS**

30 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1892  
Title No. 003184 Sale \$62.50

Discusses pulmonary histoplasmosis, its spectrum etiology, epidemiology, distribution, clinical forms, and radiologic findings. Techniques for the isolation and identification of *H capsulatum* are shown and discussed as well as serologic findings, histopathology and treatment. (Kinescope)

**PULMONARY MYCOSIS, PT 1, BLASTOMYCOSIS**

12 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1744  
Title No. 003185 Sale \$26.75

Systemic blastomycosis is defined as a chronic granulomatous mycosis primarily in the lungs. Early symptomatology is presented. Differential diagnosis is discussed. Epidemiology

and concurrent factors, such as race, sex, age are indicated. Isolation and identification are discussed along with histopathological examination of tissue. Briefly discusses therapeutic approaches. (Kinescope)

**PULSE MODULATION**

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-902  
Title No. 003186 Sale \$54.75

Discusses the basic principles of pulse modulation with emphasis on these terms--pulse repetition frequency, pulse width, peak power, average power, duty cycle, and pulse repetition time. Through the use of graphics, explains the block diagram of a pulse modulated transmitter showing the waveshapes out of each block. (Kinescope)

**PUSH-PULL AMPLIFIER**

30 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-418  
Title No. 003187 Sale \$62.50

Illustrates the schematic of a power amplifier, the push-pull type, and discusses the purpose and identity of its components. Shows the output waveshape and signal flow, and compares the three classes of operation (A, B, and C) to fidelity, harmonics, and efficiency. Shows how the probable trouble is determined, based on the various symptoms. (Kinescope)

**OTHER FORMAT(S) OR VERSION(S)**

32 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-328  
Title No. 003188 Sale \$66.50

**QUADRUPARETIC PATIENT, THE - TRANSFER FROM WHEELCHAIR TO CAR AND REVERSE**

8 min, 16mm film, optical sd, col 1970  
Producer USNMAC Agency No. M-1786  
Title No. 003189 Sale \$33.50

Demonstrates use of the sliding board for transfer between wheelchair and car.

**QUADRUPARETIC PATIENT, THE - CHANGING POSITION AND SITTING UP IN BED**

7 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1555  
Title No. 003190 Sale \$24.50

Shows how the quadruparetic patient can move to one side and roll over in bed. Also shows how patient learns to sit up.

**QUADRUPARETIC PATIENT, THE - SITTING BALANCE IN BED**

9 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1554  
Title No. 003191 Sale \$31.00

Shows how the quadruparetic patient learns to move his extremities and trunk while sitting in bed.

**QUADRUPARETIC PATIENT, THE - TRANSFER FROM BED TO WHEELCHAIR USING A SLIDING BOARD**

7 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1552  
Title No. 003192 Sale \$22.75

Shows techniques used in transfer of the quadruparetic patient between bed and wheelchair with the use of a sliding board.

**QUALITY PROGRAMS AND INSPECTION SYSTEM REQUIREMENTS - QUALITY PROGRAM...**

29 min, 16mm film, optical sd, b&w 1964  
Producer USAF Agency No. FR 0440  
Title No. 003193 Sale \$60.50

**FULL TITLE - QUALITY PROGRAMS AND INSPECTION SYSTEM REQUIREMENTS - QUALITY PROGRAM MIL-Q9858A, INSPECTION SYSTEM MIL-145208A - SHOWS MILITARY AND CIVILIAN PANEL REVIEW DEPARTMENT OF DEFENSE SPECIFICATIONS FOR CON- QUALITY PROGRAM AND INSPECTION SYSTEM.** The group explores use and advantages of these specifications.  
Cleared for TV.

<b>QUARTERMASTER QUALITY CONTROL FOR GENERAL SUPPLIES AND PARTS</b>			
17 min, 16mm film, optical sd, b&w Producer USA Title No. 003194	1959 Agency No. MF10-9022 Sale \$36.75		
Presents analysis and benefits of new quality control system as it applies to tableware manufacture. Gives inspection requirements and necessary records before, during and after production.			
<b>QUIET BATTLE</b>			
28 min, 16mm film, optical sd, col Producer USAID Title No. 630940	1964 Sale \$83.00		
Portrays the U.S. foreign Assistance Program at work, helping the people of the developing nations in their long struggle to achieve a better life for themselves and their children. Shows how the quiet battle was won in Greece and Taiwan and how it still goes on in other parts of the free world.			
<b>CLEARED FOR TV.</b>			
<b>QUIET SUMMER, THE</b>			
28 min, 16mm film, optical sd, b&w Producer USOJD Title No. 630960	1965 Sale \$67.25		
Describes how in 1965, a summer project operated by youth, ended annual youth rioting in Hampton Beach, New Hampshire.			
<b>QUIET WARRIOR, THE</b>			
28 min, 16mm film, optical sd, col Producer USN Title No. 003195	1968 Agency No. MN10552 Sale \$111.75		
Tells the story of a Naval Air Reserve Squadron and how these reservist-citizens keep in readiness by training on weekends.			
<b>QUIETING A NOISY REFRIGERATOR</b>			
16 min, 16mm film, optical sd, b&w Producer USOE Title No. 630990	1945 Agency No. OE 447 Rental \$7.50 Sale \$28.50		
Shows how to check and correct compressor and motor noises, noises caused by wear or looseness of parts and noises caused by high head pressure or an oil-logged evaporator.			
From the <i>REFRIGERATION SERVICE</i> series. Domestic Units, No. 10			
<b>R-A-P - RADILOGICAL ASSISTANCE PROGRAM - TEAMWORK IN EMERGENCIES</b>			
27 min, 16mm film, optical sd, col Producer USAEC Title No. 003196	1965 Sale \$97.75		
Documents the readiness, operations, and proficiency of radiological assistance teams in various emergency situations. Shows how to deal with the problems of radioactive materials.			
<b>RABBETING AND SHAPING AN EDGE ON STRAIGHT STOCK</b>			
18 min, 16mm film, optical sd, b&w Producer USOE Title No. 631150	1945 Agency No. OE 318 Rental \$7.50 Sale \$32.00		
Explains the principles of the shaper operation. Shows how to set up a machine for cutting rabbets and for shape molding, and describes the process.			
From the <i>PRECISION WOOD MACHINING</i> series. Operations On a Spindle Shaper			
<b>RABIES CONTROL IN THE COMMUNITY</b>			
11 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 631500	1956 Agency No. M-0183 Sale \$19.25		
Shows actual cases of rabies in both humans and dogs, how apathy of dog owners can permit rabies to become a community problem, and how concerted community action can prevent rabies.			
<b>CLEARED FOR TV.</b>			

#### **RABIES CONTROL IN THE COMMUNITY (SPANISH)**

11 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 003197	1956 Agency No. M-0183-SP Sale \$19.25
Shows actual cases of rabies in both humans and dogs, how apathy of dog owners can permit rabies to become a community problem, and how concerted community action can prevent rabies.	
<b>RABIES F-A STAINING</b>	
8 min, 16mm film, optical sd, col Producer USNMAC Title No. 003198	1966 Agency No. M-0763 Sale \$27.75
Demonstrates the technique of staining brain impressions with fluorescent antibody for the detection of negri bodies.	
<b>RADAR EYES THE WEATHER, PT A - FUNDAMENTALS OF RADAR METEOROLOGY</b>	
25 min, 16mm film, optical sd, b&w Producer USAF Title No. 003199	1961 Agency No. TF01-5344A Sale \$43.75
Discusses the basic principles of radar meteorology. Explains reflectivity and factors affecting it, such as hydrometers and precipitation attenuation. Demonstrates use of the PPI and RHI scope. Shows various types of clouds and describes their characteristics.	
<b>RADAR SET AN/PPS-6 - OPERATION AND MANPACKING</b>	
25 min, 16mm film, optical sd, col Producer USA Title No. 003200	1968 Agency No. TF11-3932 Sale \$101.75
Shows components, assembly, and emplacement of the set. Tells how it is operated to detect, locate, identify moving targets through visual and aural radar signals. Shows disassembly and manpacking the equipment for movement to next surveillance site.	
<b>RADIATION AND PUBLIC HEALTH</b>	
25 min, 16mm film, optical sd, col Producer USNMAC Title No. 003201	1968 Agency No. M-1576 Sale: W/DRAWN
Describes the current activities of the Division of Radiological Health, U. S. Public Health Service, directed toward the development of a nation-wide federal-state health agency program capable of insuring that the benefits of radiation are accrued with a minimum of health risks to the public.	
<b>*RADIATION DETECTION BY IONIZATION</b>	
3 min, 16mm film, optical sd, b&w Producer USAEC Title No. 006442	1962 Sale \$52.00
Describes the basic principles of ionization detectors particularly in relation to the pulse height as a function of voltage curves. Brief descriptions of ionization chambers, proportional counters, and geiger counters are included, and examples of instruments operating in these regions are shown.	
From the <i>UNDERSTANDING THE ATOM</i> series.	
<b>*RADIATION DETECTION BY SCINTILLATION</b>	
30 min, 16mm film, optical sd, b&w Producer USAEC Title No. 003203	1962 Sale \$52.00
Shows a short review of gamma interactions with matter with particular reference to useful scintillation crystals. The scintillation process is described, and the efficiency of the conversion of gamma radiation to visible light in the scintillator is discussed.	
From the <i>UNDERSTANDING THE ATOM</i> series.	
<b>RADIATION EFFECTS IN CHEMISTRY</b>	
13 min, 16mm film, optical sd, col Producer USAEC Title No. 003204	1964 Sale \$46.25
Explains the chemical reactions which are initiated by radiation. Examines the sensitive and highspeed techniques, such as spectrometry and electron spin resonance, that are involved in the study of the mechanisms which produce these reactions.	

\* INDICATES NEW ENTRY

### \*RADIATION EFFECTS ON FARM ANIMALS

13 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 4177  
Title No. 632249 Sale \$67.00  
Provides information on the immediate effects of high radiation exposure received by farm animals over a short periods of time. Shows symptoms of pathological changes caused by radiation and the amount and rate of radiation exposure. Shows the effect of radiation on four systems of the body—circulatory, digestive, respiratory and nervous. Illustrates damage and regeneration of body cells.

### RADIATION IN PERSPECTIVE

43 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003205 Sale: W/DRAWN  
Summarizes some of the beneficial uses of radioactive materials in medicine, agriculture, industry, systems for nuclear auxiliary power, and food sterilization that justify acceptance of the hazard.

### RADIATION PROTECTION IN NUCLEAR MEDICINE

43 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN09419  
Title No. 003206 Sale \$164.25  
Demonstrates the procedures devised for naval hospitals to protect against the gamma radiation emitted from materials used in radiation therapy. However, its principles are applicable in all hospitals.

#### UNITED SALE AND EXHIBITION

### RADIATION SAFETY IN NUCLEAR ENERGY EXPLORATIONS

24 min, 16mm film, optical sd, col 1962  
Producer USNMAC Agency No. M-0461  
Title No. 632350 Sale \$81.50  
Depicts the activities of the division of radiological health of the public health service, showing public health programs designed for protection against radiation.

### RADIO ANTENNAS - CREATION AND BEHAVIOR OF RADIO WAVES

12 min, 16mm film, optical sd, b&w 1942  
Producer USAF Agency No. TF01-0474  
Title No. 632550 Sale \$26.25  
Explains electric and magnetic fields, generation of electromagnetic waves, behavior of radio waves in space, ground waves, reflection and refraction, the ionosphere, and causes of fading.

### RADIO ASTRONOMY EXPLORER

30 min, 16mm film, optical sd, col 1968  
Producer USNASA Agency No. HQA 186  
Title No. 632605 Sale \$117.25  
Describes the design and function of the new radio astronomy explorer, a spacecraft with 1500-foot antennas which will detect and relay various types of radio waves emitted by the Sun, Earth and the planet Jupiter.

### \*RADIO INTERFERENCE FROM RURAL POWER LINES

45 min, 16mm film, optical sd, b&w 1953  
Producer USDA Agency No. 1179  
Title No. 632710 Sale \$87.00  
Demonstrates, using models, charts and blackboard, the causes of radio interference from power lines in rural areas. For the training of employees of rural electrification cooperatives.

### RADIO MAN FIGHT, THE

10 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN 2621A  
Title No. 632730 Sale \$17.50  
Follows the course of a message from Washington, D. C. To a test force flagship at Guadalcanal. Explains the importance of radio in the Navy, and presents an overall picture of the training and duties expected of each radioman.

### RADIO RELAY EQUIPMENT AN/TRC-35 AND -36, PART IV - SYSTEM LINEUP PROCEDURES

24 min, 16mm film, optical sd, b&w 1959  
Producer USA Agency No. TF11-2766  
Title No. 632765 Sale \$42.25  
Explains features and function of an/trc-35 and -36 procedures for radio system lineup and overall system lineup when radio relay equipment is used with telephone carrier equipment.

### RADIO SETS AN/GRC 3, 4, 5, 6, 7, AND 8

17 min, 16mm film, optical sd, b&w 1952  
Producer USA Agency No. TF11-1793  
Title No. 003207 Sale \$30.50  
Explains the characteristics, components and mechanical operation of the Army-Navy radio sets in the GRC (Ground Radio Control) classification.

### RADIO SHOP TECHNIQUES

38 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN 1540E  
Title No. 632800 Sale \$85.25  
Shows tools used by a radio technician and demonstrates orthographic projection, layouts, sawing and filing, drilling, bending metal, wiring, and soldering making a regenerative receiver.

### RADIOACTIVE FALLOUT AND SHELTER

28 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0796  
Title No. 003208 Sale \$93.00  
Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.  
From the MEDICAL SELF-HELP series.

REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, 2225 BELLCREST ROAD, WEST HYATTSVILLE, MARYLAND 20722. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO NAC.

### RADIOACTIVE WASTE DISPOSAL

24 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0443  
Title No. 003209 Sale \$81.50  
Shows extreme precautions used at the national institute of health in handling radioactive waste and the care used in its ultimate disposal in the ocean.

### \*RADIOISOTOPE APPLICATIONS IN INDUSTRY

27 min, 16mm film, optical sd, b&w 1964  
Producer USAEC  
Title No. 003210 Sale \$50.75  
Discusses some of the practical, simple, and easily understood methods of putting radioisotopes to work in industry.  
From the UNDERSTANDING THE ATOM series.

### \*RADIOISOTOPE APPLICATIONS IN MEDICINE

26 min, 16mm film, optical sd, b&w 1964  
Producer USAEC  
Title No. 003211 Sale \$50.75  
Traces the development of the use of radioisotopes and radiation in the field of medicine from the early work by hevesi to the present.  
From the UNDERSTANDING THE ATOM series.

### RADIOISOTOPES - SAFE SERVANTS OF INDUSTRY

28 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003212 Sale \$94.50  
Surveys the widespread industrial uses of radioisotopes. Presents animated explanations of the principles involved in radioisotope gauging instruments, tracing, and radiography. Shows an application of the principles involved in various processes, as observed in the food industry, in automotive research, in road construction, in heavy industry, in oil refining and shipping, and in system troubleshooting.

\* INDICATES NEW ENTRY

**\*RADIOISOTOPES IN BIOLOGY AND AGRICULTURE**

26 min, 16mm film, optical sd, b&amp;w 1964

Producer USAEC

Title No. 003213

Highlights a lecture by Dr Howard C. S of Brookhaven National Laboratory, who touches on some of the up-to-date applications of atomic energy to biology and agriculture. Reference is made to the importance of radioisotopic tracers in the determination of the structure and role of nucleic acids and other cellular components.

From the *UNDERSTANDING THE ATOM* series.**RADIOISOTOPES IN GENERAL SCIENCE**

43 min, 16mm film, optical sd, b&amp;w 1952

Producer USA Agency No. PMF 5147C

Title No. 003214

Sale \$78.00

Gives nine illustrations of the radioisotope as an important research tool adaptable to tracer investigations in all branches of general science--including metallurgy, chemistry, biochemistry, and plant physiology.

From the *RADIOISOTOPE* series.

CLEARED FOR TV.

**\*RADILOGICAL SAFETY**

30 min, 16mm film, optical sd, b&amp;w 1963

Producer USAEC

Title No. 003215

Sale \$52.00

Examines the field of radiological safety or health physics, and tries to give a basis for a perspective on potential biological radiation damage.

From the *UNDERSTANDING THE ATOM* series.**RADIODIAGNOSTICS-HIGH DOSAGE TREATMENT**

16 min, 16mm film, optical sd, col 1945

Producer USOE Agency No. OE 411

Title No. 003216

Sale \$29.75

Nature and physiological effects of high dosage X-rays - administration of X-ray treatment for carcinoma of the tongue - function and administration of radon seeds - factors in care of patients receiving X-ray therapy.

From the *NURSING* series.**RADIUM DECONTAMINATION**

8 min, 16mm film, optical sd, col 1945

Producer USNMAC Agency No. M-1240

Title No. 003217

Sale \$26.00

Tells the story of the decontamination of a radium-contaminated basement in a duplexframe house by the Pennsylvania Health Department and the U.S. Public Health Service during the summer of 1964 at Lansdowne, Pennsylvania.

**RAILROAD SAFETY**

34 min, 16mm film, optical sd, b&amp;w 1952

Producer USA Agency No. TF55-1731

Title No. 003218

Sale \$70.50

Stresses safety in all phases of railroad work. Gives pointers for train crew, right-of-way maintenance crews, and in maintenance and repair shops.

CLEARED FOR TV.

**\*RAINBOW VALLEY - THE STORY OF A FOREST RANGER**

28 min, 16mm film, optical sd, col 1954

Producer USDA Agency No. 1155

Title No. 634100

Sale \$130.00

Shows work and responsibilities of U.S. Forest Rangers, and the benefits of the national forests in terms of timber, water, grass, wildlife and recreation.

**\*RAINDROPS AND SOIL EROSION**

21 min, 16mm film, optical sd, col 1947

Producer USDA Agency No. 1020

Title No. 634325

Sale \$94.00

Shows the action of individual raindrops on uncovered soil and emphasizes the need for soil and water conservation methods.

**\*RAISINS YOU BUY, THE**

5 min, 16mm film, optical sd, col 1957

Producer USDA Agency No. 1283

Title No. 634412

Sale \$26.00

Illustrates how California raisins are cleaned, processed and

packaged so that consumers may have sound, wholesome fruit. Shows How U.S. Department of Agriculture inspectors examine raisins upon delivery to packing plants to determine maturity and wholesomeness and after processing to determine cleanliness, quality and condition. Describes several ways raisins may be used.

**\*RANCHERS AND RANGERS**

19 min, 16mm film, optical sd, col 1965

Producer USDA Agency No. 5548

Title No. 003988 Sale \$102.00

Tells the story of grass and beef production through cooperative efforts of the Colorado Cattlemen's Association and public range managers. Shows how an attitude of cooperation pointed the way to greater returns to the livestock industry, other users of the land, and the Nation.

**\*RANCHERS AND RANGERS (SPANISH)**

19 min, 16mm film, optical sd, col 1965

Producer USDA Agency No. 5548-S

Title No. 003029 Sale \$102.00

Tells the story of grass and beef production through cooperative efforts of the Colorado Cattlemen's Association and public range managers. Shows how an attitude of cooperation pointed the way to greater returns to the livestock industry, other users of the land, and the Nation.

**\*RANGELAND RESEARCH AT MANITOU**

21 min, 16mm film, optical sd, col 1962

Producer USDA Agency No. 1443

Title No. 000669 Sale \$95.00

Carries on extensive studies in cattle, land, water, and how best to utilize these resources for maximum good at the Manitou Experimental Forest. Shows the various experiments featuring the effects on land and water of different degrees of grazing-moderate, light, and heavy.

**\*RANGELAND RESEARCH AT MANITOU (FRENCH)**

21 min, 16mm film, optical sd, col 1962

Producer USDA Agency No. 1443-F

Title No. 005292 Sale \$95.00

Carries on extensive studies in cattle, land, water, and how best to utilize these resources for maximum good at the Manitou Experimental Forest. Shows the various experiments featuring the effects on land and water of different degrees of grazing-moderate, light, and heavy.

**RANGER**

29 min, 16mm film, optical sd, col 1968

Producer USA Agency No. TV 758

Title No. 003219 Sale \$115.50

Points out how the small unit leader must be resourceful and capable of directing operations under many types of geographic and climatic conditions. Shows how Rangers are trained at Fort Benning, Georgia.

From the *BIG PICTURE* series.

CLEARED FOR TV.

**RANGER 09 - TELEVISION PICTURES OF THE MOON**

7 min, 16mm film, optical sd, b&amp;w 1965

Producer USNASA Agency No. HQA 133

Title No. 003220 Sale \$14.25

Shows photographs taken by the Ranger spacecraft in 1965, with a narrative account of the missions. The photographs have been printed to provide continuous views as the spacecraft descends toward the Moon until the moment of impact, and wide and narrow angles are included.

CLEARED FOR TV.

**RAPID FROZEN SECTION TECHNIQUE**

3 min, 16mm film, optical sd, col 1966

Producer USNMAC Agency No. M-0998

Title No. 003221 Sale \$11.50

Demonstrates how the specimen is identified, trimmed for sectioning, placed on the microtome and frozen. Subsequent scenes show how the frozen specimen is cut into thin sections, stained, and finally prepared for examination by the pathologist.

**RAT ECTOPARASITE CONTROL**

8 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1G  
Title No. 003222 Sale \$14.25  
Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats. Demonstrates methods of using ddt to kill the fleas. No. 8 of series.

**RAT KILLING**

13 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1F1  
Title No. 634900 Sale \$23.75  
Emphasizes three aspects of rat control-sanitation techniques, rat-proofed buildings, and rat killing. No. 6 of series.

**RAT PROBLEM, THE**

16 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1A  
Title No. 635050 Sale \$28.50  
Emphasizes the extent and seriousness of the health economic problems caused by rats. No. 1 of series.

**RAT PROBLEM, THE (FRENCH)**

16 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1A  
Title No. 002186 Sale \$28.50  
Emphasizes the extent and seriousness of the health economic problems caused by rats. No. 1 of series.

**RATPROOFING**

10 min, 16mm film, optical sd, b&w 1954  
Producer USNMAC Agency No. M-037.1E  
Title No. 001754 Sale \$17.50  
Explains methods and materials to be used in the rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside. No. 5 of series.

**RC TRANSIENTS**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-801  
Title No. 003223 Sale \$70.50  
Gives several illustrations showing the importance of timing in radar circuits. Gives definitions for-transient voltage, transient current, transient interval, and wave shape. Illustrates the meaning of each of these terms, using a simple circuit consisting of a battery, switch, resistor and capacitor. Demonstrates the effect on charge time when the value of capacitance and resistance is changed, and briefly explains the universal time constant chart. (Kinescope)

**RCL**

34 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN01540C  
Title No. 635745 Sale \$58.75  
Explains current and voltage in relation to time, voltage and current curves, the relationship of current and voltage, the measurement of voltage at source, the addition of phase components, and the effect of impedance on resonance.

**\*REA STORY, THE**

28 min, 16mm film, optical sd, col 1960  
Producer USDA Agency No. 1452  
Title No. 635825 Sale \$128.00  
Reviews the 25-year history of the Rural Electrification Administration. stresses the importance of electric power to farms and ranches in remote areas. Highlights scenes showing farmlife before and after electricity. includes a modern, electric-powered poultry farm, modern dairy farming operations and an airplane tour with the flying manager of a montana electrical cooperative.

**\*REACH FOR THE MOON AND TOUCH A STAR**

40 ft, 35mm filmstrip, 1/4 in. audiotape, col 1967  
Producer USNASA  
Title No. 002175 Sale \$10.00  
Presents the story of space exploration through the paintings and sketches of leading American artists.

**REACTANCE TUBE MODULATOR**

24 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-606  
Title No. 003224 Sale \$50.75  
Points out the principles of operation of the reactance tube modulator and identifies and states the purpose of each component. (Kinescope)

**REACTOR FUEL PROCESSING**

20 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 003225 Sale \$85.00  
Describes radiochemical processing of irradiated reactor fuels, including steps in chemical separation and waste disposal operations at various facilities of the Atomic Energy Commission.

**REACTOR SAFETY RESEARCH**

15 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003226 Sale \$60.50  
Shows the characteristic, conservative design of nuclear power reactors and the elaborate safeguards that are incorporated into the design. Examines the progress of reactor safety research in studies of abnormal nuclear behavior, fission product release, chemical reactions, containment, and vapor cleanup systems.

**READING A DRAWING OF A VALVE BONNET**

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 055  
Title No. 636300 Rental \$7.50 Sale \$35.25  
Explains how to interpret conventional symbols and tolerance specifications and how to use the blueprint in planning machine operations.  
From the MACHINE SHOP WORK series. Fundamentals of Blueprint Reading, No. 5

**READING A THREE-VIEW DRAWING**

10 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 052  
Title No. 636350 Rental \$5.00 Sale \$17.50  
Describes how to interpret and use a blueprint. Shows how to make a tool block according to specifications written on a blueprint.  
From the MACHINE SHOP WORK series. Fundamentals of Blueprint Reading

**READING A THREE-VIEW DRAWING (SPANISH)**

10 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 052  
Title No. 003347 Rental \$5.00 Sale \$17.50  
Describes how to interpret and use a blueprint. Shows how to make a tool block according to specifications written on a blueprint.  
From the MACHINE SHOP WORK series. Fundamentals of Blueprint Reading

**\*READING THE BLOOD PRESSURE MANOMETER**

6 min, 16mm film, optical sd, col 1971  
Producer USA Agency No. PMF 5435  
Title No. 002176 Sale \$25.50  
Shows six different blood pressure readings - the viewer records his readings, and compares them to the correct readings given at the end of the film.  
**SUGGESTED FOR PROFESSIONAL GROUPS ONLY.**

**READY - STORY OF THE MARINE CORPS RESERVES**

15 min, 16mm film, optical sd, col 1966  
Producer USMC Agency No. MH10350  
Title No. 003227 Sale \$62.25  
Visually documents the fifty-year history of the Marine Corps Reserves from World War I to World War II and Korea.

**READY FOR EDNA**

29 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. MIS-982  
Title No. 637350 Sale \$50.25  
Examines the broad range of health services needed to protect and promote the physical and mental health of the aged

through the experiences of Edna, who suffers a small stroke. Historical background is included to give added perspective.

#### **READY ON OCEAN STATION NOVEMBER**

10 min, 16mm film, optical sd, col 1957  
Producer USCG  
Title No. 003230 Sale \$60.00

An authentic documentary on the ditching of a large commercial plane at sea near a Coast Guard ocean station vessel. Preparations for the ditching are shown - the actual ditching at sea - and the OSV's small boats picking up men, women and children. All survivors were saved in the most unusual film record of the rescue.

#### **\*READY THE MARINE CORPS RESERVE**

14 min, 16mm film, optical sd, b&w  
Producer USN Agency No. MH9670  
Title No. 003229 Sale \$25.50  
Tells how continued readiness is maintained in the Marine Corps Reserve by year-round realistic training.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### **REAL AND APPARENT MOTIONS**

19 min, 16mm film, optical sd, col 1962  
Producer USAF Agency No. TF01-5461  
Title No. 003231 Sale \$63.25  
Uses animation to define real and apparent motions of the Earth, rotation and revolution.

#### **\*REALITIES OF RECYCLING, THE**

39 min, 16mm film, optical sd, col 1971  
Producer USEPA  
Title No. 002177 Sale \$154.50  
Shows a variety of equipment being used to recover and reuse materials from solid wastes. Existing markets for glass, aluminum, and steel containers, paper and old car hulks are described, along with new technology being investigated and demonstrated under provisions of the solid waste disposal act.  
SUGGESTED FOR TECHNICAL AUDIENCES.

#### **\*REALM OF THE WILD**

28 min, 16mm film, optical sd, col 1945  
Producer USDA Agency No. 935-R  
Title No. 637690 Sale \$116.00  
Pictures wildlife in the National Forests. Illustrates the work of the National Forest Service in the conservation of wild life, particularly the attempt to balance wild life population and the available food supply.

#### **REAMING WITH STRAIGHT HAND REAMERS**

20 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 037  
Title No. 637700 Rental \$7.50 Sale \$35.25  
Discusses types of reamers. Shows how to check the size of reamers and ream straight holes with straight-fluted, helical-fluted and adjustable-blade reamers.  
From the MACHINE SHOP WORK series. Bench Work, No. 4

#### **REAMING WITH TAPER HAND REAMERS**

15 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 038  
Title No. 637750 Rental \$7.50 Sale \$27.00  
Describes how to hand ream a tapered hole through a shaft and collar and how to fit a taper pin in the reamed hole. Explains how to ream bearing caps for fitting dowel pins.  
From the MACHINE SHOP WORK series. Bench Work, No. 5

#### **REASSEMBLING THE ENGINE**

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 271  
Title No. 637800 Sale \$46.25  
Describes how to reassemble the crankshaft and camshaft assemblies, crankcase section, and gear case cover assembly. Tells how to reinstall the oil sump and completely reassemble the engine.  
From the AIRCRAFT WORK series. Power Plant Maintenance

#### **REASSEMBLY OF CYLINDER HEAD**

14 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN023641  
Title No. 003232 Sale \$28.50  
Demonstrates how to reassemble and install the cylinder head. Explains each operation and the use of proper tools.

#### **REASSEMBLY OF THE 8-268A ENGINE**

36 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00209B  
Title No. 003233 Sale \$62.00  
Demonstrates how to reassemble the General Motors 8-268a diesel engine.

#### **RECEIVER ALIGNMENT**

37 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-623  
Title No. 002754 Sale \$76.25  
Demonstrates the troubleshooting of a superheterodyne receiver. Shows how, after finding and replacing the defective component, the receiver is aligned using a signal generator for the signals. Explains proper test equipment and how alignment is reaccomplished using a local radio station for a signal. (Kinescope)

#### **RECEIVER TROUBLESHOOTING PROCEDURE**

21 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-610  
Title No. 003234 Sale \$44.50  
Explains general troubleshooting procedures for receivers, stage-by-stage and half-split methods of troubleshooting, and identifies basic test equipment. (Kinescope)

#### **RECENT ADVANCES IN NEUROMUSCULAR DISEASE**

90 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1868-X  
Title No. 003235 Sale \$162.50  
Features an exposition of the pathophysiology of peripheral nerve, neuromuscular junction, and muscle diseases. Emphasizes the techniques of clinical and laboratory diagnosis.

#### **RECIPROCATING PUMP OPENING FOR INSPECTION**

21 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02348A  
Title No. 003236 Sale \$37.00  
Demonstrates, on a vertical simplex reciprocating pump, the proper procedures, marking of parts, use of standard machinist's tools and safety precautions.

#### **RECOGNITION AND TREATMENT OF CERTAIN PANCREATIC DISORDERS**

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1821-X  
Title No. 003237 Sale \$79.25  
Discusses the difficult problems of pancreatitis and carcinoma. Presents X-ray techniques and surgical methods based on case material.

#### **\*RECOGNITION OF DOMESTIC RODENT SIGNS**

58 fr, 35mm filmstrip, 1/4 in. audiotape, col 1952  
Producer USNMAC Agency No. F-111  
Title No. 002179 Sale \$10.00  
Tells where to look for rodent signs, and how to identify the various rodent species by the size and shape of their droppings.

#### **RECOGNITION OF LEPROSY**

13 min, 16mm film, optical sd, col 1959  
Producer USNMAC Agency No. M-0374  
Title No. 003238 Sale \$45.25  
Illustrates the clinical manifestations of leprosy, using patients from the Public Health Service hospital at Carville, La. Shows the technique of taking and staining skin scrapings to demonstrate the etiologic agent, mycobacterium leprae, and the technique of taking skin biopsies to determine pathology of peripheral nerves.

\* INDICATES NEW ENTRY

**RECOGNITION OF LEPROSY (SPANISH)**

13 min, 16mm film, optical sd, col 1959  
**Producer USNMAC** Agency No. M-0374-SP  
**Title No. 003239** Sale \$45.25  
 Illustrates the clinical manifestations of leprosy, using patients from the Public Health Service hospital at Carville, Louisiana. Shows the technique of taking and staining skin scrapings to demonstrate the etiologic agent, mycobacterium leprae, and the technique of taking skin biopsies to determine pathology of peripheral nerves.

**RECONDITIONING A CULTIVATOR**

14 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 453  
**Title No. 638240** Rental \$7.50 Sale \$25.50  
 Tells how to replace a worn wheel boxing, adjust yoke, check and adjust shovels, check and lubricate gang expansion and steering assemblies, and lubricate all parts of a cultivator.  
 From the *FARM WORK* series. Equipment Maintenance, No. 5

**RECONDITIONING A CYLINDER WITH A PORTABLE BORING BAR**

36 min, 16mm film, optical sd, b&w 1944  
**Producer USN** Agency No. MN02348B  
**Title No. 003240** Sale \$62.00  
 Traces a typical boring job to illustrate various checks, adjustments, and alignments required to operate the boring bar. Covers types, uses, nomenclature, set-up, and operation of the portable bar while demonstrating the reconditioning of a cylinder.

**RECONDITIONING A GRAIN DRILL**

31 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 197  
**Title No. 638250** Rental \$10.00 Sale \$53.50  
 Shows how to inspect, repair and recondition a typical grain drill.

From the *FARM WORK* series. Equipment Maintenance, No. 4

**RECONDITIONING A MOWER, PT 1, CUTTER BAR**

13 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 194  
**Title No. 003241** Rental \$7.50 Sale \$37.00  
 Illustrates how to repair the sickle, repair and adjust the guards, mount and align the cutter bar, and check the mower's operation.

From the *FARM WORK* series. Equipment Maintenance, No. 1

**RECONDITIONING A MOWER, PT 2, DRIVE SYSTEM**

21 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 195  
**Title No. 001272** Rental \$7.50 Sale \$37.00  
 Describes how to clean, inspect, lubricate, and replace the wheel assembly. Tells how to replace a worn wrist pin, disassemble and inspect the gear assembly, check and remove worn flywheel shaft bearings, install new bearings, and lubricate the reconditioned mower.  
 From the *FARM WORK* series. Equipment Maintenance, No. 2

**RECONDITIONING A TWO-BOTTOM TRACTOR PLOW**

25 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 196  
**Title No. 638350** Rental \$10.00 Sale \$43.75  
 Shows how to check, repair and maintain a two-bottom tractor plow.  
 From the *FARM WORK* series. Equipment Maintenance, No. 3

**RECONDITIONING THE FUEL PUMP**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USN** Agency No. MN03708G  
**Title No. 003242** Sale \$30.50  
 Shows how to install seal assembly, diaphragm, copper seal gasket, shim, setting bar, and spacer in the fuel pump.

**RECREATIONAL AND OCCUPATIONAL THERAPY**

13 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 415  
**Title No. 003243** Sale \$28.50  
 Depicts recreational and occupational activities fitted to the patient's condition--passive diversion during an immobile state, limited physical activities carried on in bed, individualized occupational therapy, and social recreation projects. From the *NURSING* series.

**RECTANGULAR COORDINATES**

13 min, 16mm film, optical sd, b&w 1944  
**Producer USN** Agency No. MN 1540-M  
**Title No. 638600** Rental \$7.50 Sale \$23.75  
 Demonstrates how to use coordinates in solving problems involving time and distance, and how to locate a point using two co-ordinates.

**\*RECYCLING**

22 min, 16mm film, optical sd, col 1971  
**Producer USEPA**  
**Title No. 002180** Sale \$89.75  
 Shows a variety of efforts to recover and reuse more of our discards. Explains how this approach has the dual benefit of conserving our resources while minimizing the expense and difficulty of Solid Waste disposal. Illustrates new techniques that are being investigated and demonstrated under provisions of the Solid Waste Disposal Act.

**RED NIGHTMARE**

25 min, 16mm film, optical sd, b&w 1965  
**Producer USDOD** Agency No. AFIF 0142  
**Title No. 003244** Sale \$64.50  
 Depicts the nightmare of an American citizen, who finds himself in a Communist mock-up village, awakens him to his obligations to his family and his country.  
 THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.

**REDESIGNING A PATTERN FOR PRODUCTION PURPOSES**

11 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 336  
**Title No. 639400** Rental \$5.00 Sale \$19.25  
 Describes how a pattern originally designed for casting a single piece is redesigned for quantity production.  
 From the *PRECISION WOOD MACHINING* series. Problems In Patternmaking

**REDS LAUNCH SPRING OFFENSIVE**

15 min, 16mm film, optical sd, b&w 1951  
**Producer USDOD** Agency No. CB 110  
**Title No. 639445** Sale \$27.00  
 Shows military operations in Korea from April 20 to May 20, 1951.

**REDUCED VOLTAGE STARTERS**

23 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 390  
**Title No. 639450** Rental \$10.00 Sale \$40.50  
 Explains the principle of the transformer. Shows the operation of a manual starting compensator, thermal overload relay and automatic starting compensator.  
 From the *ELECTRICAL WORK* series. Motor Control, No. 3

**\*REDUCED-GRAVITY SIMULATOR FOR STUDY OF MAN'S SELF LOCOMOTION**

10 min, 16mm film, optical sd, col 1969  
**Producer USNASA** Agency No. HQA 124  
**Title No. 639448** Sale \$35.75  
 Shows an arrangement of cables and harnesses on an overhead track which simulates the condition of reduced gravity such as occurs on the Moon.

**REDUCTION AND FIXATION OF MIDDLE THIRD FRACTURES OF THE FACE - LATERAL ORBITAL RIM...**

13 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-101  
**Title No. 003245** Sale \$50.25  
 FULL TITLE--REDUCTION AND FIXATION OF MIDDLE THIRD FRACTURES OF THE FACE - LATERAL ORBITAL RIM

**APPROACH.** Demonstrates the reduction of a fracture of middle third of the face by lateral orbital approach.

#### **REDUCTION OF ZYGOMATIC ARCH FRACTURE**

7 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-085  
Title No. 003246 Sale \$30.25  
Demonstrates reduction of a zygomatic arch fracture. Points out how access to the fracture is gained through an auriculotemporal incision and reduction is achieved by blind manipulation and touch.

#### **REFLEX KLYSTRON**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-911  
Title No. 003247 Sale \$82.25  
Uses a mock-up to give a pictorial view of the construction and components of the reflex klystron. Shows the operation of the tube, emphasizing the bunching and catching action of the cavity. Shows how repeller plate voltage can be changed to obtain the different modes of operation. Points out how the repeller plate is used as a fine tuning control and how a tuning strut or screw is used as a coarse frequency control. (Kinescope)

#### **REFRACTORY ANEMIA**

30 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. T-1841-X  
Title No. 003248 Sale \$60.50  
Illustrates that refractory anemia is a disease of unknown etiology and that it includes patients with active bone marrow but ineffective erythropoiesis.

#### **\*REFRIGERATED FOOD STORAGE PRINCIPLES**

62 fr, 35mm filmstrip, 1/4 in. audiotape, b&w 1951  
Producer USNMAC Agency No. F21-B  
Title No. 002182 Sale \$6.00  
Explains the principles of refrigerated food storage, and shows methods of storing foods in a refrigerator.

#### **REFRIGERATION - COMPRESSOR CONTROLS**

6 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. FN08158C  
Title No. 003348 Sale \$13.25  
Depicts how the low pressure switch turns on and off the compressor motor via motor controller and how safety controls protect compressor and motor.

#### **REFRIGERATION - CONDENSER CONTROLS**

5 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. FN08158D  
Title No. 003249 Sale \$11.25  
Shows controls for the condenser of a refrigeration system. Demonstrates how the refrigeration pressure in the high pressure line is used by the water-regulating valve to control the flow of water through the condenser. Tells how use of the water failure switch serves as protection for the compressor.

#### **REFRIGERATION - EVACUATING AND CHARGING**

13 min, 16mm film, optical sd, col 1964  
Producer USAF Agency No. TF 5536B  
Title No. 003252 Sale \$45.25  
Demonstrates procedures for removing air and moisture from refrigeration lines and charging the unit with fresh refrigerant. Shows how to attach the manifold gauge assembly, evacuate the system and conduct a leak test prior to charging.  
CLEARED FOR TV.

#### **REFRIGERATION - EVAPORATOR CONTROLS**

8 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. FN08158B  
Title No. 003250 Sale \$17.25  
Examines how the thermostatic switch and solenoid valve work to deliver full flow refrigerant to the thermal expansion valve. Explains the differential. Shows how the super head is used by the thermal expansion valve to control the flow of refrigerant into the evaporator coil, and how the evaporator pressure regulator works to release refrigerant from the evaporator to the compressor.

#### **REFRIGERATION - INTRODUCTION TO CONTROL MECHANISMS**

10 min, 16mm film, optical sd, b&w 1970  
Producer USN Agency No. FN08158A  
Title No. 003251 Sale \$21.00  
Explains the function of the automatic controls in the refrigeration cycle and use of the manual control in emergencies.

#### **REFRIGERATION - PRINCIPLES OF MECHANICAL REFRIGERATION**

12 min, 16mm film, optical sd, col 1964  
Producer USAF Agency No. TF 5536A  
Title No. 003253 Sale \$42.00  
Shows application of basic physics of heat transfer in refrigeration units. Explains temperature changes in refrigerant passing through the expansion valve, compressor, condenser and evaporator as it carries heat to the outside air.  
CLEARED FOR TV.

#### **REFUSE DISPOSAL BY SANITARY LANDFILLS**

13 min, 16mm film, optical sd, col 1956  
Producer USNMAC Agency No. M-0228  
Title No. 640445 Sale \$45.25  
Describes faults of disposal methods such as open compares the vector-borne disease and nuisance hazards of these methods to those of landfills. Shows how to select a site, type of equipment used, how to construct a landfill, different types of operating procedures, and overall contributions of sanitary landfills to public health.

#### **REFUSE DISPOSAL BY SANITARY LANDFILLS (SPANISH)**

13 min, 16mm film, optical sd, col 1956  
Producer USNMAC Agency No. M-0228-SP  
Title No. 003254 Sale \$45.25  
Discusses the faults of disposal methods such as open dumps, and compares the vector-borne disease and nuisance hazards of these methods to those of landfills. Shows how to select a site, types of equipment used, how to construct a landfill, different types of operating procedures, and overall contributions of sanitary landfills to public health.

#### **REGIONAL ENTERITIS AND GRANULOMATOUS COLITIS**

30 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. T-1860-X  
Title No. 003255 Sale \$61.25  
Examines the syndrome of regional enteritis (granulomatous colitis), its diagnosis, treatment and prognosis.

#### **REGULATION OF ATOMIC RADIATION, THE**

29 min, 16mm film, optical sd, col 1963  
Producer USAEC  
Title No. 003256 Sale \$137.25  
Surveys the work of the Atomic Energy Commission in licensing and regulating the use of nuclear materials. Examines the close control of radioactive materials from the time they leave the mines to be processed until they are again returned to the Earth or to the sea as waste materials.

#### **REGULATION OF PANCREATIC SECRETION**

28 min, 16mm film, optical sd, b&w 1970  
Producer USNMAC Agency No. T-1964  
Title No. 003257 Sale \$58.50  
Relates the pathogenesis of acute pancreatitis to secretory mechanisms, and the construction of a unified concept of the etiology of inflammation within the pancreas. Evidence is accumulated from anatomic studies, manometric determinations of the intracholedochal and intrapancreatic ductal secretory pressures, physiologic investigations in experimental pancreatitis, and analyses of the clinical correlations observed in human pancreatitis. (Kinescope)

#### **REHAB**

23 min, 16mm film, optical sd, col 1969  
Producer USHUD  
Title No. 641103 Sale \$78.25  
Illustrates federal involvement in rehabilitation across the country, focusing on a Boston project involving 2000 units in over 100 buildings.

**REHABILITATION AND TREATMENT CENTERS**

22 2x2 slides, silent, col  
Producer USBNDD  
Title No. 003017 Sale \$7.00  
Section F of the Drug Abuse Education and Information Slide Resource Kit.

**REHEARSAL FOR THE MOON**

7 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 003  
Title No. 003258 Sale \$32.50  
Reports on the complex simulators used to train astronauts for the Apollo mission. Shows astronauts undergoing weightless simulation in an airplane and in water, and demonstrates simulators which approximate the conditions to be encountered during flight to the Moon and the landing.  
From the APOLLO DIGEST series.

**REINFORCED PLASTICS-INSPECTION AND QUALITY CONTROL**

20 min, 16mm film, optical sd, col 1957  
Producer USN Agency No. MN 8597B  
Title No. 003259 Sale \$68.25  
Demonstrates inspection procedures, showing examples of various common defects and procedures leading to final acceptance of the finished parts by naval inspectors.

**REINFORCED PLASTICS, INTRODUCTION**

20 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. MN 08597A  
Title No. 003260 Sale \$40.25  
Explains in general the nature of reinforced plastics and their composition and fabrication.

**REINS OF COMMAND, THE - AIR FORCE COMMUNICATIONS SERVICE**

28 min, 16mm film, optical sd, col 1966  
Producer USAF Agency No. SFP 1285  
Title No. 641220 Sale \$113.50  
Portrays missions of Air Force communications service and its vital role in Air Force operations. Depicts highly complex and sophisticated communications techniques, equipment, global communications network, and air traffic control system. Pictures use of communications in military exercises and operations. Brig. Gen. James Stewart narrates.  
Cleared for TV.

**REJECTION OF RENAL TRANSPLANT**

18 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1746  
Title No. 003261 Sale \$38.50  
Provides a general review of rejection theory followed by a discussion concerning types of rejections of renal homografts in man. Acute or hyperacute rejection, intermediate, and chronic rejection are discussed. A brief survey of statistical data is included. (Kinescope)

**RELATIVE MOVEMENT, PT 1, - RELATIVE MOVEMENT AND INTERCEPTION**

14 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00083Y  
Title No. 003262 Sale \$25.50  
Shows the basic principles of relative movement and interception between planes and ship, the angle between the relative motion line and the ship's course, relation between speed and direction, and direction, and how to plot course and determine the time of arrival of plane and ship.

**RELATIVE MOVEMENT, PT 2, OUT AND IN SEARCH, RELATIVE WIND**

13 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00083Z  
Title No. 003263 Sale \$23.75  
Covers relative movement, computing time speed when leaving and returning to carrier, searching on a relative bearing to carrier, and relative wind.

**RELAYS**

18 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-137  
Title No. 003264 Sale \$38.50  
Discusses some uses of relays, and explains their construction and purpose. Shows the symbols used to identify types of relays, and finally, how a relay operates. (Kinescope)

**RELIABILITY - ECONOMIC CONSIDERATIONS IN RELIABILITY**

20 min, 16mm film, optical sd, col 1965  
Producer USN Agency No. MN08770J  
Title No. 003265 Sale \$82.00  
Shows application of break-even analysis for use in selection from competing systems and for economic decisions when changes to a system are being considered.

**RELIABILITY - ELEMENTS OF RELIABILITY PREDICTION**

30 min, 16mm film, optical sd, col 1964  
Producer USN Agency No. MN08770G  
Title No. 641540 Sale \$101.00  
Shows how prediction techniques are used on major component of a weapon system. Describes how predictions are made in drawing-board phase, and refined in bench test and prototype test phases.

**RELIABILITY - FUNDAMENTAL CONCEPTS, PT 1**

30 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN08770A  
Title No. 641542 Sale \$101.00  
Presents some of the fundamental concepts of reliability engineering that shall be used by designers of naval weapons systems, to achieve maximum inherent reliability in the design.

**RELIABILITY - FUNDAMENTAL CONCEPTS, PT 2**

27 min, 16mm film, optical sd, col 1961  
Producer USN Agency No. MN08770B  
Title No. 641543 Sale \$91.25  
Presents a continuation presentation of fundamental concepts of engineering that should be used by designers of naval weapons systems to achieve the maximum inherent reliability in design.

**RELIABILITY - PART AND PARCEL**

28 min, 16mm film, optical sd, col 1963  
Producer USAF Agency No. TF 5530  
Title No. 641546 Sale \$94.50  
Describes reliability standards established within Air Force Systems and Logistics Commands. Explains how the standards serve as production requirements and management tools in procurement of electronic replacement parts. Shows how the standards reduce costs and increase product reliability.

**RELIABILITY - RELIABILITY MONITORING**

20 min, 16mm film, optical sd, col 1964  
Producer USN Agency No. MN08770H  
Title No. 003266 Sale \$86.00  
Shows how a program is monitored from concept through use phase, and shows how data are used.

**RELIABILITY - RELIABILITY TESTING**

25 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. MN08770E  
Title No. 641547 Sale \$84.75  
Depicts fundamentals of reliability testing design.

**RELIABILITY - SPECIFICATIONS AND RELIABILITY ASSURANCE**

25 min, 16mm film, optical sd, col 1963  
Producer USN Agency No. MN08770F  
Title No. 641549 Sale \$84.75  
Describes philosophy and function of specifications in relation to achievement of reliability assurance, general and detailed specifications, environment, interferences, interactions and interfaces affecting system performance requirements.

**RELIABILITY - STATISTICAL CONCEPTS**

25 min, 16mm film, optl. sd, col 1961  
**Producer USN** Agency No. MN08770C  
**Title No. 461548** Sale \$84.75  
 Describes reliability engineering methods and demonstrates the basic concepts on which the analytical methods are based, using examples drawn from actual reliability studies. Probability theory is treated in further detail in connection with its application to reliability prediction.

**RELIABILITY - THE APPLICATION OF RELIABILITY DATA**

21 min, 16mm film, optical sd, col 1964  
**Producer USN** Agency No. MN08770I  
**Title No. 003267** Sale \$86.00  
 Shows application of feed-back to the solution of problems arising during the life-cycle of a weapon system.

**RELIABILITY ENGINEERING - RELIABILITY TESTING**

30 min, 16mm film, optical sd, col 1961  
**Producer USN** Agency No. MN08770D  
**Title No. 641550** Sale \$101.00  
 Presents advanced methods and techniques of reliability analysis. One of the more critical system reliability problems is drawn out for detailed study by comparing observed and theoretical frequency distributions. Regression techniques, design 'improvement' analysis, and the Monte Carlo technique are demonstrated.

**\*RELUCTANT WORLD POWER, THE**

29 min, 16mm film, optical sd, col 1972  
**Producer USDS**  
**Title No. 003362** Sale \$98.00  
 Shows the process by which the U.S. assumed, rejected, and finally was obliged to accept the role of a major power. Includes the tragedy of Woodrow Wilson, World War I, League of Nations, isolationism, erosion of international security and finally World War II.  
 From the *HISTORY OF U.S. FOREIGN RELATIONS* series.

**REMOTE MAINTENANCE OF MOLTEN SALT REACTORS**

20 min, 16mm film, optical sd, col 1960  
**Producer USAEC**  
**Title No. 003268** Sale \$101.00  
 Illustrates the arrangement of a mock-up fluid-fuel reactor system approximately 20 MW(T) in size and the remote operation of specialized equipment utilized to maintain reactor components.

**REMOVAL OF BITING TICKS, THE**

4 min, 16mm film, optical sd, col  
**Producer USNMAC** Agency No. M-1230  
**Title No. 003269** Sale \$22.25  
 Shows how to remove biting ticks without leaving the mouth parts imbedded in the flesh.

**REMOVING A SECTION OF PIPING ABOARD SHIP**

13 min, 16mm film, optical sd, b&w 1943  
**Producer USN** Agency No. MN02337  
**Title No. 003270** Sale \$29.75  
 Explains the purpose of the piping system. Shows how to remove a section of pipe aboard ship, and defines outside diameter, pitch diameter, pitch cord, bleeding point, and backing-off.

**REMOVING AND INSPECTING CYLINDERS**

18 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 262  
**Title No. 642850** Sale \$37.50  
 Tells how to remove the cylinder assemblies from the engine, disassemble the cylinder assemblies, and clean, inspect, and recondition the cylinders.

From the *AIRCRAFT WORK* series. Power Plant Maintenance

**REMOVING AND INSTALLING A COMPRESSOR OR CONDENSER**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 442  
**Title No. 641900** Rental \$7.50 Sale \$30.50  
 Shows how to evacuate and remove a compressor in a domestic refrigerator, evacuate a stuck compressor, install a compressor and remove and install a condenser.

From the *REFRIGERATION SERVICE* series. Domestic Units, No. 5

**REMOVING AND INSTALLING A COOLING UNIT**

19 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 443  
**Title No. 642050** Rental \$7.50 Sale \$33.75  
 Discusses cooling unit disorders in a domestic refrigerator. Shows how to evacuate valved evaporators, remove an oillogged evaporator, install the evaporator and install a direct expansion cooling unit.  
 From the *REFRIGERATION SERVICE* series. Domestic Units, No. 6

**REMOVING DEFECTIVE RIVETS**

15 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 141  
**Title No. 642080** Rental \$7.50 Sale \$27.00  
 Illustrates how an inspector marks defective rivets, how to drill the heads of flush-type and brazier head rivets, and how to remove the shank and head after drilling.  
 From the *AIRCRAFT WORK* series. Assembling and Riveting, No. 6

**RENAISSANCE OF A CITY**

18 min, 16mm film, optical sd, col 1970  
**Producer USIA**  
**Title No. 006451** Rental: W/DRAWN Sale: W/DRAWN  
 Describes the efforts of the mayor of a small rural city (Erie, Pennsylvania) to develop community cultural interests which would attract residents and visitors to the city. Shows various methods of leisure-time recreation and activities.

**RENAL VASCULAR HYPERTENSION--AN APPROACH TO DIAGNOSIS AND TREATMENT**

20 min, 16mm film, optical sd, col 1965  
**Producer USNMAC** Agency No. AM-1376  
**Title No. 003271** Sale \$68.25  
 Demonstrates the pathogenesis of renal vascular hypertension and the types of lesions responsible.

**RENDEZVOUS 90 DEGREES FAHRENHEIT SOUTH**

28 min, 16mm film, optical sd, col 1961  
**Producer USAF** Agency No. SFP 1087  
**Title No. 642400** Sale \$94.50  
 Depicts the role of the C-130 Hercules in blazing an unrestricted supply line to the South Pole, heart of Antarctica. Pictures some of the research being conducted there and stresses the importance of this scientific work to mankind.

**\*REORIENTING OCCLUSAL RELATIONSHIPS, PT 2**

27 min, 16mm film, optical sd, col 1963  
**Producer USA** Agency No. PMF 5354  
**Title No. 003272** Sale \$91.25  
 Clinically demonstrates correctly engineered restoration of patient's upper teeth, with stress on accomplishment of proper occlusal balance.

**REPAINTING A FRAME BUILDING**

18 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 460  
**Title No. 642500** Sale \$37.50  
 Tells how to prepare a building for painting, set up staging, prepare paint, apply the prime and second coats, and care for brushes, paint, and equipment.  
 From the *FARM WORKERS* series. Painting, No. 1

**REPAIRING A WOODEN RIB**

24 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 247  
**Title No. 642510** Sale \$50.75  
 Tells how to remove gussets and broken rib parts, splice a section of cap strip, cut and finish a scarf joint, make a new truss member, and make and assemble gussets and reinforcement plates.  
 From the *AIRCRAFT WORK* series. Aircraft Maintenance

#### **REPAIRING AIRCRAFT TIRES**

20 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 254  
**Title No. 642530** Sale \$42.25  
 Tells how to inspect an airplane tire, remove the tire, remove the tube from the tire, vulcanize the tube, repair a cut in the tire, and reinstall the wheel.  
 From the *AIRCRAFT WORK* series. Aircraft Maintenance

#### **REPAIRING AND RELINING MECHANICAL BRAKES**

21 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 256  
**Title No. 642540** Sale \$43.25  
 Describes how to check brake action, remove wheel and inspect brakes, disassemble wheel and remove brake lining, install new brake lining, replace brake cables, and adjust brakes.  
 From the *AIRCRAFT WORK* series. Aircraft Maintenance

#### **REPAIRING STRUCTURAL TUBING**

20 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 253  
**Title No. 642550** Sale \$42.25  
 Shows how to straighten a bent tube, round out a tube, remove a damaged section of tube, prepare a replacement section, prepare internal reinforcing sleeves and assemble and weld the replacement section and sleeves.  
 From the *AIRCRAFT WORK* series. Aircraft Maintenance

#### **\*REPORT ON RURAL TELEPHONE SERVICE**

14 min, 16mm film, optical sd, col 1964  
**Producer USDA** Agency No. 4965  
**Title No. 003990** Sale \$64.00  
 Presents an up-to-date report on the progress achieved in bringing modern telephone service to rural people and outlines the goals of the REA Telephone Loan Program. A sequence from an earlier film, 'The Telephone and the Farmer', serves to dramatize conditions before the REA Telephone Loan Program was authorized in 1949.

#### **RESPONSE**

22 min, 16mm film, optical sd, col 1964  
**Producer USNMAC** Agency No. MIS-0863  
**Title No. 643400** Sale \$74.75  
 Former President Dwight D. Eisenhower and other heart patients tell how sensible living habits and adherence to doctors' orders have enabled them to return to active and useful living. Offers hope and encouragement for the million-plus American men and women who each year survive a heart attack.

#### **REPULSION-INDUCTION MOTOR - GENERAL OVERHAUL**

25 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 397  
**Title No. 644450** Rental \$10.00 Sale \$43.75  
 Shows how to check a repulsion-induction motor for electrical and mechanical faults, dismantle it, remove a damaged coil, wind and insulate a new coil, and assemble and lubricate the motor.  
 From the *ELECTRICAL WORK* series. Motor Maintenance And Repair, No. 6

#### **RESEARCH IN THE ATMOSPHERE**

25 min, 16mm film, optical sd, col 1969  
**Producer USNASA** Agency No. HQA180  
**Title No. 003273** Sale \$96.00  
 Traces the methods of exploring the upper atmosphere and near earth environment from ancient times until the present, with emphasis on research with balloons and sounding rockets. Shows the technique of scientific 'model building' through a study of ionized helium in the Earth's atmosphere.

#### **RESEARCH INTO CONTROLLED FUSION**

55 min, 16mm film, optical sd, col 1958  
**Producer USAEC**  
**Title No. 003274** Sale \$191.50  
 Report on the fusion research programs sponsored by the U S Atomic Energy Commission at Princeton University, Oak Ridge National Laboratory, Los Alamos scientific Laboratory.

and the University of California Radiation Laboratory. Outlines the principal problems in controlled fusion. Shows and describes research devices, including the various pinch, mirror, rotating plasma, DCX, and stellarator machines.

#### **RESEARCH PROJECT X-15**

27 min, 16mm film, optical sd, col 1966  
**Producer USNASA** Agency No. HQ 079  
**Title No. 003275** Sale \$113.50  
 Shows the development of the experimental X-15 research airplane and the results obtained from early X-15 flights. Dramatic photography of flights at the edge of space and landings on dry lake beds are included.

#### **RESEARCH REACTOR SAFETY DEVICE**

13 min, 16mm film, optical sd, col 1958  
**Producer USAEC**  
**Title No. 003276** Sale \$95.00  
 As a significant step in reactor safety work, Atomics International has designed, built, and successfully tested a reactor safety 'fuse,' as part of the U S Atomic Energy Commission's reactor safety program. The device, designed to provide absolute protection by shutting down 'pool' type reactors without the use of external controls, automatically and almost instantaneously shuts down research reactors if an abnormal operating condition occurs.

#### **RESISTIVE BRIDGE CIRCUITS**

26 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-134  
**Title No. 003277** Sale \$54.75  
 Identifies a simple resistive bridge circuit and discusses the specific characteristics of resistance ratio, voltage distribution, and current flow. Differentiates between balanced and unbalanced bridges. Verifies voltage distribution and current flow direction, and describes the application of the wheatstone bridge. (Kinescope)

#### **RESISTORS - COLOR CODE**

33 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-109B  
**Title No. 003278** Sale \$68.25  
 Gives the purpose of color coding resistors, then explains and shows the relationship of the colors on a resistor. Gives the color code and describes the value indicated by each color. Explains how to use the color code chart and how to read the color code on a resistor, and shows numerous examples. (Kinescope)

#### **RESISTORS - CONSTRUCTION**

21 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-109A  
**Title No. 003279** Sale \$44.50  
 States the purpose of resistors and gives the types. The construction and uses of fixed, adjustable, and variable resistors is discussed and demonstrated. Explains which materials are most commonly used in the construction of resistors. Describes and shows the schematic symbols for fixed and variable resistors. (Kinescope)

#### **RESONANT LINES**

30 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-614  
**Title No. 003280** Sale \$62.50  
 Explains open and shorted resonant lines. Develops and explains standing waves through use of animation. Shows and explains the phase relationship of the incident and reflected waves of current and voltage. Shows graphically the location of the loops and nodes of the standing wave of current and voltage, and explains the electrical length between the loops and nodes. (Kinescope)

#### **RESONANT SECTIONS AND MATCHING DEVICES**

25 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-616  
**Title No. 003281** Sale \$52.50  
 Discusses the uses of resonant sections of transmission lines. Through the use of diagrams and pictorial representations, defines and explains the operation and gives applications of the following devices--even harmonic filters (series

and shunt), metallic insulators, quarter wave matching transformer, half wave matching transformer, line balance converter (bazooka), and capacitive coupled joint. (Kinescope)

#### RESPIRATORY EXERCISES FOR THE PARKINSON PATIENT

6 min, 16mm film, optical sd, col 1967

Producer USNMAC Agency No. M-1442  
Title No. 003282 Sale \$19.50

A demonstration of respiratory exercises designed to enhance the diaphragmatic breathing and lateral costal expansion of the Parkinson patient.

#### \*RESPONSE TO DISASTER

20 min, 16mm film, optical sd, col 1964

Producer USAE  
Title No. 002183 Sale \$135.00

Shows widespread destruction caused by the Good Friday, 1964, alaskan earthquake - reconstruction problems presented by geological conditions, including changes in harbor depths and land elevations. It discusses activities of the Office of Emergency Planning, the Federal Reconstruction and Development Planning Commission for Alaska, the Corps of Engineers, and other federal agencies for restoration of damaged public facilities to help speed recovery from a major seismic disaster.

#### RESPONSE TO MECHANICAL SHOCK

18 min, 16mm film, optical sd, col 1968

Producer USAEC  
Title No. 003283 Sale \$67.25

Illustrates several types of mechanical shock and shows the shock signature (acceleration as a function of time) generated by each shock. Through animation, the parameters used to define mechanical shock are shown--acceleration, velocity, and displacement, and the relationship and interdependence of these three functions are explained. See also 'fundamentals of mechanical vibration'.

#### RESTLESS RIVER

20 min, 16mm film, optical sd, col 1967

Producer USAE  
Title No. 003284 Sale \$130.00

Presents reasons for channel stabilization works on the lower Mississippi River. Describes many methods attempted in the past, and operations used today in placing flexible concrete mattress at troublesome spots on the banks of this restless, meandering river.

#### RESTORATION OF THE NRX REACTOR

23 min, 16mm film, optical sd, b&w 1959

Producer USAEC  
Title No. 003285 Sale: W/DRAWN

Describes the 14-month repair and restoration of the NRX reactor at Chalk River, Ontario, following a rapid superoperational power level excursion and discusses the 1959 safety system of the 40 MW reactor.

#### RESTRAINT FOR SURVIVAL

8 min, 16mm film, optical sd, col 1967

Producer USFAA Agency No. FA-0805  
Title No. 003286 Sale \$27.75

Demonstrates the life-saving potential of shoulder harnesses and seat belts. Documents FAA aeromedical research which simulates aircraft accidents using electronically outfitted 'dummies.'

#### RETURN TO BIKINI

24 min, 16mm film, optical sd, col 1966

Producer USAEC  
Title No. 003287 Sale: W/DRAWN

A report of the studies made by a research team from the Laboratory of Radiation Biology of the University of Washington, to determine the after-effects of nuclear tests at the Bikini and Eniwetok atolls in the Pacific. Describes in detail how the biological processes on the islands are returning to normal and the results of nuclear testing are rapidly fading.

#### RETURN TO HOLYOKE

15 min, 16mm film, optical sd, col

1969

Producer USN Agency No. MN10831  
Title No. 003288 Sale \$62.25

Depicts the visit of the Director of women Marines to Mt Holyoke to commemorate the establishment of Women's Reserve Officer Training School on campus in 1943.

#### RETURNING FROM THE MOON

29 min, 16mm film, optical sd, b&w

1968

Producer USNASA Agency No. HQK-SR9  
Title No. 003289 Sale \$55.75

Explores the problem of getting the Apollo command module safely back through the atmosphere to Earth. Explains the problems of guidance and heating and the manufacturing process for the ablative heat shield.

#### RETURNS FROM SPACE

27 min, 16mm film, optical sd, col

1968

Producer USNASA Agency No. HQA 156  
Title No. 003290 Sale \$108.00

Shows some of the varied 'spinoff' benefits and products of space research and development. Depicts use of sensors for monitoring hospital patients, devices which aid the disabled, the uses of freezedried foods by campers, new technological tools and materials, and microminiaturization of electronic components.

#### REVOLT OF A GENERATION

20 min, 16mm film, optical sd, b&w

1956

Producer USIA Title No. 646660 Rental: W/DRAWN Sale: W/DRAWN

Recounts the story of the Hungarian people from the imposition of Communist Party rule in 1948 through the 1956 revolt and Soviet intervention and repression. Shows demonstrations throughout the world condemning Soviet repression, and the exodus of refugees over the Austrian border.

#### RF AND IF AMPLIFIERS, PT 1

21 min, 16mm film, optical sd, b&w

Agency No. TVK 30-506

Producer USAF Title No. 003291 Sale \$44.50

Discusses the single tuned RF amplifiers using capacitive and transformer coupling. Explains circuit operation with respect to a parallel resonant tank in the plate circuit of the capacitance coupled amplifier. Explains circuit operation with respect to a series resonant tank in the grid circuit of the transformer coupled amplifier's second stage. Plots a typical response curve of an amplifier, and requires the students to determine the bandwidth.

#### RHEOSTATS AND POTENTIOMETERS

23 min, 16mm film, optical sd, b&w

Agency No. TVK 30-124

Producer USAF Title No. 003292 Sale \$48.75

Defines a rheostat and a potentiometer. Discusses the characteristics of a rheostat and how it can be used. Gives the characteristics and use of a potentiometer. Concludes with a demonstration of how each of these units are connected in a circuit. (Kinescope)

#### RHESUS MONKEYS OF SANTIAGO ISLAND, THE PUERTO RICO

33 min, 16mm film, optical sd, col

1963

Producer USNMAC Agency No. MIS-0721  
Title No. 003293 Sale \$110.75

Presents scientific observation carried out by scientists on a group of free ranging rhesus monkeys. Among the behavior patterns the film explores, are dominant-subordinate behavior among individuals and groups, feeding, mother-infant relations, and mating.

#### RHYTHM, SPEED, AND ACCURACY IN HAND SENDING

12 min, 16mm film, optical sd, b&w

1944

Producer USN Agency No. MN 2621 C  
Title No. 647750 Sale \$22.25

Discusses sequence in rhythm and timing. Points out that clear, distinct sending is essential in order to assure proper receiving at destination. Compares several senders' ability by means of the recording tape.

**\*RICK - FILE X-256375**

11 min, 16mm film, optical sd, col 1971

Producer USNIMH

Title No. 002184

Available only as part of a series. Demonstrates how the probation service responds to a youthful narcotics offender who--unbeknownst to the people coming in contact with him--is actually a probation employee himself. Shows Rick assuming the role of 'offender' and going through the same interview process an actual offender would go through.

From the PROFESSIONAL DRUG FILMS series.  
RECOMMENDED FOR PROFESSIONAL USE ONLY.

**RIDDLE, THE**

20 min, 16mm film, optical sd, b&amp;w

Producer USOEO

Title No. 004383

Sale: W/DRAWN

Documentary about the use of narcotics and drugs by young people. Shows the attempt of a young man to make his way instead of 'copping out' with drugs.

**RIGGING BLOCKS**

11 min, 16mm film, optical sd, b&amp;w 1944

Producer USN

Agency No. MN02340H

Title No. 003294

Sale \$19.25

Shows operation of tackle pulleys-whip, gun, luff, and two-fold purchase, and explains how mechanical advantage is obtained.

**\*RIGHT WAY, THE**

21 min, 16mm film, optical sd, col 1972

Producer USN

Agency No. MH-10748A2

Title No. 002185

Sale \$85.75

Highlights the annual Marine Corps Physical Fitness Program for high school students.

**RIGHT-OF-WAY FOR HIGHWAYS**

26 min, 16mm film, optical sd, col 1961

Producer USFHWA

Title No. 649500

Sale \$88.00

Shows how a state highway department studies, evaluates, and selects the route for a new highway. Describes the various steps in the appraisal of a property needed for right-of-way and the negotiation for purchase of the property.

**RIGID AND SWINGING STAGING**

18 min, 16mm film, optical sd, b&amp;w 1944

Producer USN

Agency No. MN02340C

Title No. 003295

Sale \$32.00

Shows how to set up rigid staging, use a-frame stage and extension, double boards overlapped, and a lifeline. Tells how to rig swinging staging, using a single width board and lifeline, and how to take down staging and show it.

**RIGID MEDULLARY FIXATION OF FOREARM FRACTURES**

16 min, 16mm film, optical sd, col 1961

Producer USA

Agency No. PMF 5340

Title No. 003296

Sale \$66.00

Describes the principles, technique, and advantages of rigid medullary fixation of forearm fractures.

**\*RINDERPEST**

18 min, 16mm film, optical sd, col 1955

Producer USDA

Agency No. 1235

Title No. 003989

Sale \$83.00

Describes the history and shows geographical distribution of this disease of cattle, sheep, and goats. Shows the lesions and pathological changes of all organs and tissues affected. Provides excellent visual information to the veterinarian and student on this foreign disease and outlines measures used to prevent its introduction into this country.

**RIOT CONTROL FORMATIONS**

24 min, 16mm film, optical sd, col 1967

Producer USA

Agency No. TF19-3799

Title No. 649940

Rental \$10.00 Sale \$42.25

Shows the composition and application of basic wedge, line, and echelon formations in riot control operations. Commands, hand signals, and steps in executing these formations and their variants at the squad, platoon, and company level are illustrated.

**RIPPING AND CROSSCUTTING**

19 min, 16mm film, optical sd, b&amp;w

Producer USOE

Agency No. OE 306

Title No. 649950

Rental \$7.50 Sale \$33.75

Shows how each working part of the variety saw functions. Demonstrates how to check saw blades, set the fence, changes saw blades, use a cutoff gage and use a hinged block in crosscutting.

From the PRECISION WOOD MACHINING series.

**RIPPING AND CROSSCUTTING (SPANISH)**

19 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Agency No. OE 306

Title No. 003297

Rental \$7.50 Sale \$33.75

Shows how each working part of the variety saw functions. Demonstrates how to check saw blades, set the fence, changes saw blades, use a cutoff gage and use a hinged block in crosscutting.

From the PRECISION WOOD MACHINING series.

**RISE OF THE SOVIET NAVY, THE**

28 min, 16mm film, optical sd, col

1969

Producer USN

Agency No. MN10390

Title No. 003298

Sale \$113.50

Traces the rise of Soviet seapower from the Imperial Navy of the Czar to the Navy of today. Done in documentary style. Narrated by Richard Basehart.

**\*RIVER OF MAIL**

9 min, 16mm film, optical sd, col

1968

Producer USPO

Title No. 650902

Sale \$31.00

Indicates that there is too much mail for the government to handle easily. Portrays the attempts being made at modernization, while emphasizing how enormous mail has become, as an American business tool and as an American government problem.

**\*RIVER RUN**

15 min, 16mm film, optical sd, col

1951

Producer USDA

Agency No. 1102

Title No. 651067

Sale \$70.00

Explains that the proper management of forests can bring continuing prosperity over the years, benefiting the owners, the community and the Nation. portrays log drive which has almost vanished from the American scene. Describes how the Machais River Watershed in Maine has been supplying timber continuously for almost 200 years and that these log drives are still being made by the descendants of the river drivers of old.

**RIVER, THE**

32 min, 16mm film, optical sd, b&amp;w

1939

Producer USDA

Title No. 651100

Sale \$66.50

Traces life in the Mississippi River Valley during the last 150 years. The consequences of sharecropping, soil exhaustion, unchecked erosion and floods are shown. Concludes with scenes of regional planning, T V A development and correlated federal efforts.

**\*RL TRANSIENTS**

13 min, 16mm film, optical sd, b&amp;w

Producer USAF Agency No. TVK 30-802

Title No. 003299

Sale \$28.50

Determines the values of voltage and current at various time intervals in a series RL circuit with a DC voltage applied. Shows time constant chart. (Kinescope)

**ROAD TO PEACE**

9 min, 16mm film, optical sd, b&amp;w

1951

Producer USA

Title No. 003300

Sale \$19.00

Explains that the people of the East stand at a crossroads with one of two paths to follow--peace or war--and that the road to peace lies in the program of the United Nations.

**ROAD TO THE WALL**

29 min, 16mm film, optical sd, b&w 1962  
**Producer USA** Agency No. TV 560  
**Title No. 004384** Sale: W/DRAWN  
 Documents the rise of communism from ST Petersburg, Russia, in early days of Lenin and Trotsky to Berlin and Cuba under the influence of Krushchev.  
 From the *BIG PICTURE* series.  
 NOT CLEARED FOR TV

**\*ROADMAP TO LESS EFFORT - THE FLOW PROCESS CHART**

15 min, 16mm film, optical sd, b&w 1973  
**Producer USA** Agency No. MF-61-5720  
**Title No. 003574** Sale \$32.50  
 Illustrates the use, preparation, and analysis of the flow process chart, a device for the solution of work efficiency problems. Analysis of the chart enables actions to be eliminated, combined, changed, or reassigned.

**ROBERT FROST**

28 min, 16mm film, optical sd, col 1960  
**Producer USIA** Agency No. 01-02496  
**Title No. 004385** Rental: W/DRAWN Sale: W/DRAWN  
 Shows Robert Frost reading his poems at his New England home.

**\*ROBERT JOFFREY BALLET**

30 min, 16mm film, optical sd, b&w 1967  
**Producer USIA** Agency No. 04-02524  
**Title No. 004386** Rental: W/DRAWN Sale: W/DRAWN  
 A performance which shows the company's versatility and range of repertory, from romantic ballet to jazz and modern dance.

**\*ROCK BOLTING IN ORE MINES**

24 min, 16mm film, optical sd, col 1964  
**Producer USBM**  
**Title No. 003544** Sale \$101.75  
 Points up the safe methods of rock bolting practiced in the underground mineral mines of the western part of the United States. Various installations and bolting patterns are shown, along with actual mining scenes that highlight the effectiveness of rock bolting.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**\*ROOF BOLTING IN COAL MINES**

26 min, 16mm film, optical sd, col 1964  
**Producer USBM**  
**Title No. 000839** Sale \$74.00  
 Stresses the importance of roof bolting to the coal mining industry. Explains the principle and purpose of roof bolting through the use of working models, laboratory demonstrations, and actual underground application and tests. Emphasizes the roof-control process with the function of safety.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**ROOF RAT HABITS AND CHARACTERISTICS, THE**

8 min, 16mm film, optical sd, b&w 1954  
**Producer USNMAC** Agency No. M-037.1C  
**Title No. 001755** Sale \$14.25  
 Explains and pictures the characteristics and habits of the roof rat--its climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rat can man control it. No. 3 of series.

**ROOM AT THE TOP**

28 min, 16mm film, optical sd, b&w 1966  
**Producer USNASA** Agency No. HQK-SR7  
**Title No. 003301** Sale \$55.75  
 At the top of the Saturn-Apollo is the command module, the crew quarters, flight center and command post for the flight to the Moon. The top of Saturn V is examined in detail.

**ROTATING MAGNETIC FIELDS**

13 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 384  
**Title No. 656700** Rental \$7.50 Sale \$23.75  
 Explains a rotating magnetic field pattern, three-phase winding in a demonstration stator, factors that cause rotation of the magnetic field, and the construction of polyphase motors. From the *ELECTRICAL WORK* series. Electrical Machinery, No. 2

**ROUGH GRINDING**

26 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 180  
**Title No. 003302** Rental \$10.00 Sale \$45.50  
 Explains three methods of rough grinding lenses--by hand, pin-bar, and mechanical curvature generator. Shows in detail how to hand grind a concave lens. From the *OPTICAL CRAFTSMANSHIP* series. Spherical Surfaces

**ROUGH GRINDING BY PIN-BAR**

19 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 181  
**Title No. 006426** Rental \$7.50 Sale \$33.75  
 Depicts how to use job card, select and adjust grinding tool, use abrasive, perform the grinding operation, clean the grinding tool, and correct worn grinding tools. From the *OPTICAL CRAFTSMANSHIP* series. Spherical Surfaces

**ROUGH GRINDING WITH A CURVATURE GENERATOR**

15 min, 16mm film, optical sd, b&w 1944  
**Producer USN** Agency No. MN 02449D  
**Title No. 657055** Sale \$27.00  
 Demonstrates rough grinding of spherical surfaces by the curvature generator process. Illustrates theory, function, and operation of the curve generating diamond grinding wheel.

**ROUGH GRINDING WITH VERTICAL SURFACE GRINDER FLAT SURFACES**

26 min, 16mm film, optical sd, b&w 1944  
**Producer USN** Agency No. MN 02449F  
**Title No. 657060** Sale \$45.50  
 Describing machine grinding flat surfaces, and methods of blocking to grind all surface with a minimum of changes in position.

**ROUGH LINE-BORING**

19 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 229  
**Title No. 657070** Rental \$7.50 Sale \$33.75  
 Tells how to install the boring bar and cutters. Describes how to bore, counterbore, and spot-face holes as well as how to reposition from one hole to another. From the *MACHINE SHOP WORK* series. Operations on the Horizontal Boring Mill, No. 5

**ROUGH TURNING BETWEEN CENTERS**

15 min, 16mm film, optical sd, b&w 1941  
**Producer USOE** Agency No. OE 006  
**Title No. 003303** Rental \$7.50 Sale \$27.00  
 Shows how to set up an engine lathe, operate the controls, grind clearances on cutting tools, and roughturn round bar stock to a specified diameter. From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 1

**ROUGH-FACING, BORING, AND TURNING A SHOULDER**

22 min, 16mm film, optical sd, b&w 1942  
**Producer USOE** Agency No. OE 017  
**Title No. 657050** Rental \$7.50 Sale \$38.50  
 Shows how to set up a rough casting on a vertical turret lathe, face a flange and turn a shoulder with the sidehead

turret, and face a flange and bore a hole with the vertical turret.

From the MACHINE SHOP WORK series.

#### ROUGH-FACING, TURNING, AND DRILLING

31 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 016

Title No. 006427 Rental \$10.00 Sale \$53.50

Tells how to operate the controls of a vertical turret lathe, set up tools in the main turret head, rough-face and rough-turn an aluminum casting, and drill the center hole.

From the MACHINE SHOP WORK series. Operations on the Vertical Boring Mill, No. 1

#### ROUGHING-IN NONMETALLIC SHEATHED CABLE

24 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 373

Title No. 657110 Rental \$10.00 Sale \$42.25

Tells how to determine the location of required runs, install an offset bar hanger and ceiling outlet box and rough-in a circuit run. Describes how to make up connections for switches, receptacles, and fixtures.

From the ELECTRICAL WORK series. Wiring No. 3

#### \*ROUNDUP

18 min, 16mm film, optical sd, col 1960  
Producer USDA Agency No. 1441

Title No. 003991 Sale \$85.00

Tells a story of the peacetime use of atomic energy to eradicate an insidious pest--the screwworm. Shows how Florida and other Southeastern States collaborated in a research and eradication program - how the world's biggest 'fly factory' was built - and how 10 million sterilized male flies were released by air over infested areas every day for months.

#### \*ROUNDUP (SPANISH)

18 min, 16mm film, optical sd, col 1960  
Producer USDA Agency No. 4644

Title No. 003799 Sale \$85.00

Tells a story of the peacetime use of atomic energy to eradicate an insidious pest--the screwworm. Shows how Florida and other Southeastern States collaborated in a research and eradication program - how the world's biggest 'fly factory' was built - and how 10 million sterilized male flies were released by air over infested areas every day for months.

#### RUBBER DAM IN DENTISTRY, THE

19 min, 16mm film, optical sd, col 1955  
Producer USN Agency No. MN09346

Title No. 003304 Sale \$65.00

Illustrates the use of the rubber dam in restorative dentistry and shows, in detail, techniques of its application.

#### RULES IN FOG

17 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00202V

Title No. 003305 Sale \$30.50

Explains when to use fog and danger signals, the meaning of fog signals under inland and international rules, and how to determine safe speed in fog.

#### RULES OF THE NAUTICAL ROAD - INTRODUCTION

22 min, 16mm film, optical sd, b&w 1950  
Producer USN Agency No. MN00202B

Title No. 003306 Sale \$30.50

Discusses international rules of navigation. Presents through animation and live action, the importance of taking bearings, and selected nautical terms.

#### RULES OF THE ROAD FOR BOATMEN

16 min, 16mm film, optical sd, col 1959  
Producer USCG

Title No. 003307 Sale \$63.00

Presents through animation and live action, the meeting, passing, and overtaking situations, as well as small craft versus large vessels, and proper procedure in fog.

#### RULES OF THE ROAD, INTERNATIONAL - RESTRICTED VISIBILITY SITUATIONS

10 min, 16mm film, optical sd, b&w 1955

Producer USN Agency No. MN09302G

Title No. 003308 Sale \$17.50

Shows what to do in situation when visibility is restricted.

#### RULES OF THE ROAD, INTERNATIONAL - SPECIAL DAYTIME SITUATIONS

11 min, 16mm film, optical sd, col 1955

Producer USN Agency No. MN09302D

Title No. 003309 Sale \$37.25

Illustrates special signals to warn other vessels of a ship's situation, and explains in each instance the action to be taken by the observing ship.

#### RULES OF THE ROAD, INTERNATIONAL - VESSEL CROSSING, DAYTIME

21 min, 16mm film, optical sd, b&w 1956

Producer USN Agency No. MN09302B

Title No. 003310 Sale \$37.00

Shows what should be done when vessels cross in the daytime.

#### RULES OF THE ROAD, INTERNATIONAL - VESSELS OVERTAKING, DAYTIME

19 min, 16mm film, optical sd, b&w 1956

Producer USN Agency No. MN09302C

Title No. 003311 Sale \$33.75

Shows procedures when vessels are overtaking in daytime, and stresses the obligation of all vessels in obeying the rule that the overtaking vessel must keep out of the way of the overtaken vessel.

#### RUNNING A PERMANENT LINE AND BORING

32 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 341

Title No. 658060 Sale \$65.00

Tells how to run the permanent line, establish reference marks, install and adjust the boring bar, and rough-and-finish-bore propeller post and various bulkheads to specifications.

From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 8

#### RUNNING A TEMPORARY LINE

22 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 100

Title No. 658065 Sale \$46.25

Describes how the propeller post is prepared for running a temporary line, how to adjust a line to the center of bulkhead openings, how to eliminate the sag when a line has been run, and how a temporary line is checked for proper position.

From the SHIPBUILDING SKILLS series. Marine Machinery Installation, No. 6

#### \*RURAL HOLIDAYS

25 min, 16mm film, optical sd, col 1964

Producer USDA Agency No. 3674

Title No. 658180 Sale \$113.00

Explains that farmer and ranchers offer many kinds of rural recreation. Points out that community watershed lakes and picnic grounds are among the benefits of the watershed protection program.

#### RURAL RAT CONTROL

16 min, 16mm film, optical sd, b&w 1951

Producer USNMAC Agency No. 04-00116

Title No. 003312 Sale \$28.50

Explains how a farmer who understands rat habits can free his farm of rats through ratproofing buildings and food sources, burying garbage in a one-man land fill, and using approved poisons.

#### RURAL RAT CONTROL (SPANISH)

16 min, 16mm film, optical sd, b&w 1951

Producer USNMAC Agency No. 04-00116

Title No. 003349 Sale \$28.50

Explains how a farmer who understands rat habits can free his farm of rats through ratproofing buildings and food

sources, burying garbage in a one-man land fill, and using approved poisons.

#### RX - INNOVATION

12 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1047  
Title No. 003313 Sale \$40.50  
With the telescropy possible through the use of the motion pictures, the film emphasizes communication problems resulting from the explosion of population, biomedical knowledge, and curriculum content and suggests possible methods for their solution.

#### RX - INNOVATION (FRENCH)

12 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1403  
Title No. 003314 Sale \$40.50  
With the telescropy possible through the use of the motion pictures, the film emphasizes communication problems resulting from the explosion of population, biomedical knowledge, and curriculum content and suggests possible methods for their solution.

#### RX - INNOVATION (SPANISH)

12 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1351  
Title No. 003315 Sale \$40.50  
With the telescropy possible through the use of the motion pictures, the film emphasizes communication problems resulting from the explosion of population, biomedical knowledge, and curriculum content and suggests possible methods for their solution.

#### RX ATTITUDE

18 min, 16mm film, optical sd, b&w  
Producer USVA  
Title No. 003316 Sale \$32.00  
Shows the importance of attitudes exhibited by hospital personnel toward mental patients, and portrays the effects of such attitudes upon patients in a Veterans Administration mental hospital. Primarily for the information and training of hospital personnel.

#### RX FOR A RIVER

17 min, 16mm film, optical sd, col  
Producer USAE  
Title No. 003317 Sale \$68.00  
Shows how the lower Mississippi River, if left to its own devices, would meander its way to the Gulf of Mexico in an everchanging pattern of alignment, eroding its banks, breaching protective levees, destroying property, ruining the navigation channel, and disrupting waterborne commerce. The overall 'prescription' of the Army engineers to place and maintain the lower Mississippi River in a fixed channel is explained clearly by artwork.

#### RX FOR FLIGHT

18 min, 16mm film, optical sd, col 1966  
Producer USFAA Agency No. FA-0606  
Title No. 003318 Sale \$66.00  
Shows some of the aero-medical problems that face general aviation pilots. In a cause-and-effect manner, this film briefly covers such areas as alcohol, drugs, hypoxia, disorientation, smoking and safety equipment.  
Cleared for TV.

#### \*SAC COMMAND POST, THE

17 min, 16mm film, optical sd, col 1970  
Producer USAF Agency No. SFP-1795  
Title No. 003095 Sale \$72.00  
Presents a candid look at the daily operation of the Air Command. Traces the wartime history and philosophy that led to the creation of SAC's command-control system.

#### \*SOS COURSE, THE

198 1973  
Producer USCG  
Title No. 002195 Sale \$28.50  
Introduces the basic course of safe boating for the novice small boatman. Developed by the U. S. Coast Guard, the

course covers legal requirements, equipment, pre-sailing preparations, underway, emergencies, and returning home.

#### SAFE DRIVING IN BAD WEATHER, PT 1, LIGHT VEHICLES

17 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TF01-5013  
Title No. 659601 Sale \$30.50  
Shows driving hazards in rain, snow, and on ice, and how to overcome them.

#### SAFE DRIVING IN BAD WEATHER, PT 2, TRUCKS AND TRACTOR-TRAILERS

16 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TF1-5013  
Title No. 003319 Sale \$28.50  
Explains the importance of knowing your vehicle, driving according to road conditions, using badweather equipment furnished with a truck, and always being on the alert.

#### SAFE HANDLING OF ENRICHED URANIUM, THE

22 min, 16mm film, optical sd, col  
Producer USAEC  
Title No. 003320 Sale \$74.75  
Introduces the concept of nuclear fission and criticality, and explains the reason for various safety procedures observed in the handling of enriched uranium and other fissionable materials.

#### SAFE HANDLING OF LABORATORY ANIMALS

14 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-455  
Title No. 003321 Sale \$48.50  
Demonstrates techniques of handling laboratory animals by caretakers. Emphasizes methods of avoiding injury and infection, both to the caretaker and his animals. Methods for restraining monkey, lifting dogs to the laboratory bench, etc.

#### \*SAFE SIDE CLYDE

29 min, 16mm film, optical sd, col 1969  
Producer USDA Agency No. 7365  
Title No. 001872 Sale \$143.00  
Designed to stimulate interest in safety, it will help build a positive attitude toward the safe way to work. The cast is made up of Job Corps enrollees.

#### \*SAFE USE OF PESTICIDES

21 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 1570  
Title No. 660200 Sale \$97.00  
Explains the proper use of pesticides, emphasizing the importance of following instructions on the labels to avoid seizure of crops because of harmful residue.

#### SAFEGUARDING DEFENSE INFORMATION - WHY WE NEED SECURITY

29 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. TF30-3434  
Title No. 003322 Sale \$50.25  
Outlines reasons for military security measures. Defines requirement for military security in a 'coldwar' climate as well as during actual conflict.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### SAFEGUARDING MILITARY INFORMATION

16 min, 16mm film, optical sd, b&w 1949  
Producer USA Agency No. TF30-1523  
Title No. 003323 Sale \$28.50  
Stresses the importance of safeguarding military information for both military and civilian personnel.

#### \*SAFEST PLACE, THE

14 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 4015  
Title No. 003992 Sale \$64.00  
Shows how to pick out the 'safest place' around the farm for atomic survival and to lessen the danger from radioactive fallout. Depicts what a rural family can do and how to complete the family-survival plan.

**\*SAFEST PLACE, THE (SPANISH)**

14 min, 16mm film, optical sd, col

Producer USDA

Title No. 003800

1963

Agency No. 4015-S

Sale \$64.00

Shows how to pick out the 'safest place' around the farm for atomic survival and to lessen the danger from radioactive fallout. Depicts what a rural family can do and how to complete the family-survival plan.

**SAFETY BY THE NUMBERS**

31 min, 16mm film, optical sd, col

1969

Producer USFAA

Title No. 003324

Agency No. FA-0802

Sale \$104.25

Illustrates a pilot's switch from familiar single-engine operations to twin-engine aircraft along with proper in-flight procedures to follow in the event of engine failure.

**\*SAFETY CONSCIOUSNESS**

10 min, 16mm film, optical sd, col

1969

Producer USBM

Title No. 003534

Sale \$39.00

Various people at work and play demonstrate how to develop safe attitudes in their daily activities by their clarity in thinking, acting, and outlook on life.

From the *FOREMANSHIP TRAINING* series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**SAFETY EXPERIMENTS WITH A BOILING REACTOR**

20 min, 16mm film, optical sd, b&amp;w

1956

Producer USAEC

Title No. 003325

Sale \$38.50

Records a series of safety experiments with a prototype boiling water reactor consisting of a pressure vessel containing an assembly of uraniumbearing plates submerged in water plus a control mechanism. After showing a number of reactor excursions, some of which expel the water from the reactor, the film shows the deliberate destruction of the reactor assembly, when the reactor is allowed to 'run away.'

**\*SAFETY FOR SURE**

11 min, 16mm film, optical sd, col

1959

Producer USDA

Agency No. 1431

Sale \$50.00

Points out the sure way to safety and the four key points to be taught on any job--size up the situation - use your safety code and follow instructions - protect your fellow workers, and establish an alternate plan. The positive points, if carried out, can prevent injury.

**SAFETY IN HIGHWAY SURVEYING**

25 min, 16mm film, optical sd, col

1960

Producer USFHWA

Title No. 660810

Sale \$84.75

Shows the hazards and appropriate precautions for a highway survey party working in rough country, dense vegetation, timberland, and mountainous country, as well as along the highway. Explains safe working practices for various hand tools and equipment. Survey work and inspections performed during construction are also included. Precautions taken for the safety and convenience of the traveling public during survey and construction are shown.

**\*SAFETY IN SALT - THE TRANSPORTATION, HANDLING AND DISPOSAL OF RADIOACTIVE WASTE**

29 min, 16mm film, optical sd, col

1971

Producer USAEC

Agency No. 0458

Title No. 002187

Sale \$113.50

Outlines the research and rationale to establish the first Federal Radioactive Waste Repository in an abandoned salt mine in Lyons, Kansas. Describes tests which are done to determine that the approved packages will withstand severe transportation accidents without release of radioactivity.

**\*SAFETY IN STRIP MINING**

24 min, 16mm film, optical sd, col

1961

Producer USBM

Title No. 003542

Sale \$101.75

Presents a general treatment of surface (strip) mining operations and the hazards connected with specific jobs--truck haulage, blasting, falling material, power cables, etc. By direct, face-to-face communication with the workmen, and on-the-job safety instruction, the company director is able to accomplish his goal.

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**SAFETY IN THE PLOWSHARE PROGRAM**

22 min, 16mm film, optical sd, col

1966

Producer USAEC

Title No. 003326

Sale \$89.75

Documents the safety precautions which are taken during experiments or projects in the U.S. program to develop peaceful uses of nuclear explosives, as described in the Atomic Energy Commission film 'plowshare.' Shows how radioactivity and other effects of nuclear explosions are controlled in order to insure the public safety.

**SAFETY IN THE SHOP**

12 min, 16mm film, optical sd, b&amp;w

1944

Producer USOE

Agency No. OE 481

Title No. 003327

Rental \$7.50 Sale \$22.25

Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause behind these 'accidents'.

From the *PROBLEMS IN SUPERVISION* series.

**SAFETY IN THE SHOP (SPANISH)**

12 min, 16mm film, optical sd, b&amp;w

1944

Producer USOE

Agency No. OE 481

Title No. 003350

Rental \$7.50 Sale \$22.25

Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause behind these 'accidents'.

From the *PROBLEMS IN SUPERVISION* series.

**SAFETY ON-THE-JOB AT SEA**

17 min, 16mm film, optical sd, b&amp;w

1944

Producer USN

Agency No. MN08639

Title No. 661125

Sale \$30.50

Describes the organization for shipboard safety, how shipboard accidents can occur, accident prevention measures, and the importance of crew safety consciousness.

**SAFETY PIPETTING**

5 min, 16mm film, optical sd, col

1944

Producer USNMAC

Agency No. M-1180

Title No. 003328

Sale \$16.25

Presents three commonly used instruments that are used in the laboratory for safety pipetting. The operation of these instruments is shown in detail.

**\*SAFETY PRACTICES IN LOW-COAL MINING**

15 min, 16mm film, optical sd, col

1971

Producer USBM

Title No. 003541

Sale \$66.00

Shows the special hazards workmen must guard against in thin-seam mines. It illustrates how restricted work space, curtailed field of vision, and cramped body position can intensify the dangers involved in working with fast-moving, high-powered machines. Teamwork, alertness, and know-how are emphasized for preventing accidents.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**SAFETY PRECAUTIONS FOR ELECTRONICS PERSONNEL**

18 min, 16mm film, optical sd, b&w  
**Producer USN** **Agency No. MN06754**  
**Title No. 661450** **Sale \$32.00**  
Shows electrical and mechanical hazards which electronics technicians encounter in their normal work, and stresses precautions which should be employed to prevent accidents.

**SAMPL AND SOCIAL SECURITY**

5 min, 16mm film, optical sd, col  
**Producer USSA**  
**Title No. 004387** **Sale: W/DRAWN**  
Explains what Sam'l needs to know and do about his social security. By means of animations.

**SAMPLE MOUNTING TECHNIQUES, EVAPORATION**

7 min, 16mm film, optical sd, col  
**Producer USNMAC** **Agency No. M-1342**  
**Title No. 003329** **Sale \$24.50**  
Shows three methods for mounting solid samples by evaporation--pouring a slurry, pipetting a slurry, and pouring a dissolved solution.

**SAMPLE MOUNTING TECHNIQUES, FILTRATION**

7 min, 16mm film, optical sd, col  
**Producer USNMAC** **Agency No. M-1343**  
**Title No. 003330** **Sale \$22.75**  
Shows in mounting solid samples that filtration is a common technique used to mount precipitated samples by the use of a vacuum, suction flask, filter paper and filter tower. The demonstration shows 3 types of filter towers--glass, teflon and stainless steel. Shows filter paper placed in a counting dish and dried under a heat lamp and more permanently mounted with a ring and disk.

**SAND DRAINS**

24 min, 16mm film, optical sd, col  
**Producer USFHWA**  
**Title No. 663648** **Rental \$12.50 Sale \$81.50**  
Explains the sand drain method of consolidating swampy areas for the construction of highways. Through the use of animation and scenes of an actual project, the sequence of preparing the site, driving the sand drains, placing the control devices and overload, final preparation of the roadway, and paving are shown.

**SANDIA SPINOFF**

15 min, 16mm film, optical sd, col **1967**  
**Producer USAEC**  
**Title No. 003332** **Sale \$63.75**  
Demonstrates how high reliability requirements in the U S nuclear weapons program have resulted in scientific developments at AEC's Sandia Laboratory which have peaceful 'spinoff' applications for hospitals and industry.

**SANDING FLAT AND IRREGULAR SURFACES**

19 min, 16mm film, optical sd, b&w **1945**  
**Producer USOE** **Agency No. OE 312**  
**Title No. 663650** **Rental \$7.50 Sale \$33.75**  
Shows how to operate a sander belt and prepare it, to sand flat stock on a belt sander, to sand curved molding and to use and replace sandpaper.  
From the PRECISION WOOD MACHINING series. Operations On the Sander, No. 1

**\*SANITARY LANDFILL - ONE PART EARTH TO FOUR PARTS REFUSE**

24 min, 16mm film, optical sd, col **1969**  
**Producer USEPA** **Agency No. M-1740-X**  
**Title No. 002188** **Sale \$97.75**  
Presents specific details for the design and operation of sanitary landfills. Concerns landfills with capacity of at least 200 tons per day, but allows for application of information to smaller facilities.

**SANITARY STORAGE AND COLLECTION OF REFUSE**

19 min, 16mm film, optical sd, col  
**Producer USNMAC** **Agency No. M-0004**  
**Title No. 663800** **Sale \$65.00**  
Shows operations essential to the sanitary handling and

storage of refuse by individual citizens. Also shows the municipal collection of such refuse from homes, restaurants, markets, and other sources.

**SANITATION TECHNIQUES IN RAT CONTROL**

12 min, 16mm film, optical sd, b&w  
**Producer USNMAC** **Agency No. M-37.1D**  
**Title No. 663850** **Sale \$22.25**  
Explains the importance of controlling rats by cutting down their food supply, and suggests various methods of garbage and refuse storage and removal. No. 4 of series.

**SARAH WILSON**

8 min, 16mm film, optical sd, col  
**Producer USNMAC** **Agency No. M-0993**  
**Title No. 664010** **Sale \$27.75**  
Shows an 'open end' situation aimed at promoting guided group discussion. Shows how, at a meeting of health office personnel, a proposal by one member encounters opposition from the majority of the group.

**SATELLITE ASTRONOMY - PROGRESS AND PROMISE**

17 min, 16mm film, optical sd, col **1969**  
**Producer USNASA** **Agency No. HQ 193**  
**Title No. 003333** **Sale \$70.25**  
Reviews principal results of unmanned satellite exploration of the Moon, near planets and the stars during the past decade, and briefly describes proposed studies in the 1970's of the Sun and both near and distant planets.

**SATURABLE REACTORS**

23 min, 16mm film, optical sd, b&w  
**Producer USAF** **Agency No. TVK 30-701**  
**Title No. 003334** **Sale \$48.75**  
Develops a hysteresis loop through the use of an applied AC sine wave to a coil containing a core material. The production includes the core's control on the loop shape, the effect on switching action, and how the loop is associated with the operation of a saturable reactor. A very basic saturable reactor is used to show how saturation of the reactor core controls the voltage applied to a series load. (Kinescope)

**SATURN FIRST STAGE**

5 min, 16mm film, optical sd, col **1969**  
**Producer USNASA** **Agency No. AD 010**  
**Title No. 003335** **Sale \$25.25**  
A detailed look at the first stage of the Saturn 5. Explains the role of the first stage and its various components.  
From the APOLLO DIGEST series.

**SATURN SECOND STAGE**

5 min, 16mm film, optical sd, col **1969**  
**Producer USNASA** **Agency No. AD 011**  
**Title No. 003336** **Sale \$21.75**  
A close-up view of the Saturn second stage. Includes scenes of manufacturing and testing.  
From the APOLLO DIGEST series.

**SATURN THIRD STAGE**

5 min, 16mm film, optical sd, col **1969**  
**Producer USNASA** **Agency No. AD 012**  
**Title No. 003337** **Sale \$25.75**  
A report on the final stage of the Saturn. Includes scenes of test firings and examines the precise role of the stage during flight.  
From the APOLLO DIGEST series.

**SAUCE FOR THE GANDER**

22 min, 16mm film, optical sd, col **1968**  
**Producer USN** **Agency No. MN10544**  
**Title No. 003338** **Sale \$89.75**  
Examines attitudes of a man who expects perfection from others. Shows importance of a right-the-first-time attitude, which also applies to him.

**\*SAVE MORE LAMBS**

7 min, 16mm film, optical sd, b&w **1951**  
**Producer USDA** **Agency No. 1109**  
**Title No. 001896** **Sale \$20.00**  
Shows farmers how to properly care for the ewe before and after lambing in order to cut down death losses among baby

lambs. This picture is especially useful during the lambing season.

#### \*SAVE THE SOIL

11 min, 16mm film, optical sd, b&w 1940  
Producer USDA Agency No. 554-R  
Title No. 664351 Sale \$25.00  
Shows ways of conserving soil fertility, including terracing, cover-cropping, crop rotation and the use of fertilizers.

#### SAWING A REVERSE CURVE AND A BEVEL REVERSE CURVE

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 310  
Title No. 664500 Rental \$7.50 Sale \$32.00  
Shows how to select and lay out stock to avoid waste, reverse curves to contour lines, use the table tilting gage, saw a beveled reverse curve, prepare a template for a newel post and saw a newel post.  
From the PRECISION WOOD MACHINING series. Operations On the Band Saw, No. 2

#### SAWING AN INTERNAL IRREGULAR SHAPE

32 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 239  
Title No. 664550 Rental \$10.00 Sale \$55.25  
Shows how to drill the saw-starting hole, make the saw selection, set up a band saw machine, weld saw bands, saw an internal contour shape and store a band saw.  
From the MACHINE SHOP WORK series. Operations on the Metal Cutting Band Saw, No. 1

#### SAWING TEMPLATE METAL

17 min, 16mm film, optical sd, b&w  
Producer USOE Agency No. OE 128  
Title No. 664560 Rental \$7.50 Sale \$30.50  
Shows how to mount a saw blade on a band saw, select and adjust blade guides, saw to a layout line, 'chew out' metal from a notch, and remove burrs.  
From the AIRCRAFT WORK series. Templates, No. 4

#### SAWING WITH JIG AND CHANGING BAND

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 309  
Title No. 664600 Rental \$7.50 Sale \$35.25  
Shows how to select proper band saw blades for the job, adjust saw guides, mark stock and cut to the mark, prepare a jig, and cut discs using a jig.  
From the PRECISION WOOD MACHINING series.

#### \*SAY IT WITH HANDS-A SERIES

780 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 003424 Sale \$1352.00  
A series of 26 thirty-minute lessons which develop expressive and receptive manual communication skills, including finger spelling and the language of signs.

#### SCATTER RADAR - SPACE RESEARCH FROM THE GROUND

23 min, 16mm film, optical sd, col  
Producer USESSA  
Title No. 004388 Sale: W/DRAWN  
Describes the installation of and the upper atmosphere research carried on at the jicamarca observatory, established near Lima, Peru. The technique used for scatter radar research at Jucamarca is explained through the use of simple animation. Cleared for TV.

#### SCHISTOSOMES IN THE PRIMARY HOST

7 min, 16mm film, silent, b&w  
Producer USNMAC Agency No. 04-00063  
Title No. 665240 Sale \$12.50  
Shows through photomicrography the development of schistosomes, male and female, in various stages of growth in primary hosts-rabbit and mouse. Recommended for professional use.

#### SCHOOL FOR STRINGS

10 min, 16mm film, optical sd, b&w 1963  
Producer USIA Agency No. 01-02605  
Title No. 003339 Rental: W/DRAWN Sale: W/DRAWN  
Reflects the aura of dedication, excellence, and, even genius,

at meadowmount school of music, one of the foremost institutions in the world for the study of stringed instruments.

#### SCHOOL OTOLOGICAL-AUDIOLOGICAL FOLLOW-UP

10 min, 16mm film, optical sd, col 1970  
Producer USBEH  
Title No. 666152 Sale \$58.00  
Presents otological and audiological assessment within the School for the Partially Hearing and hearing aid check at the School for the Deaf, Stockholm.  
From the INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series.

#### SCIATIC PAIN AND THE INTERVERTEBRAL DISK

33 min, 16mm film, optical sd, col  
Producer USN Agency No. MN-1966  
Title No. 003340 Sale \$110.75  
Explains symptoms and treatment of functional and organic rupturing of the spine in the lower lumbar region, especially at the intervertebral disk.  
FOR MEDICAL PERSONNEL

#### SCIENCE THROUGH DISCOVERY

28 min, 16mm film, optical sd, b&w  
Producer USOE Agency No. OE 504  
Title No. 003341 Sale \$48.75  
Shows children in grades one through six learning about science through a variety of procedures with emphasis upon experimenting, demonstrating, and thinking.

#### SCIENTIST IN THE SEA

16 min, 16mm film, optical sd, col 1967  
Producer USN Agency No. MN10320  
Title No. 003342 Sale \$55.00  
Tells how an oceanographer, skilled in the use of scuba gear, utilizes his scientific knowledge to aid in the study of the ocean.

#### SCINTILLATION CAMERA FOR MEDICAL DIAGNOSIS

10 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003343 Sale \$36.50  
Explains the diagnostic purpose of the scintillation camera in locating gamma-emitting isotopes within the human body. Uses animation to describe the equipment of the camera and its use in studying thyroid and kidney disorders. Describes a modified camera apparatus with position emitting isotopes that can be used in the diagnosis of brain tumors.

#### SCRAMBLE TWO - THE JOINT USE OF AIR DEFENSE AND AIR TRAFFIC CONTROL FACILITIES

20 min, 16mm film, optical sd, col  
Producer USAF Agency No. SFP 1109  
Title No. 668920 Sale \$68.25  
Depicts the co-operation between Air Defense Command and Federal Aviation Agency in sharing radar data to accomplish their missions of Air Defense and Air Traffic control. Agency cooperation.

#### \*SCRAPIE

8 min, 16mm film, optical sd, col 1954  
Producer USDA Agency No. 1189  
Title No. 003993 Sale \$40.00  
Briefly reviews the history of scrapie, and obscure disease of sheep - illustrates the key symptoms, indicates methods of careful diagnosis, and tells ways of combating the disease.

#### SCRAPING FLAT SURFACES

14 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 035  
Title No. 668990 Rental \$7.50 Sale \$25.50  
Shows how surface plates are used to check the flatness of surfaces. Discusses the types of scrapers and shows how to remove high spots and to determine when a surface is scraped flat.  
From the MACHINE SHOP WORK series. Bench Work, No. 2

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**SCULPTOR, THE**

10 min, 16mm film, optical sd, b&w 1963  
Producer USIA Agency No. 01-02579  
Title No. 004389 Rental: W/DRAWN Sale: W/DRAWN  
Deals with a young man associated with Massachusetts Institute of Technology and involved with the development of casting techniques as a by-product of rocket research. Explores the link between art and industry as well as the personal life and environment of this young sculptor.

**SEA POWER - A DESTINY UPON THE WATERS**

28 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10365A  
Title No. 003344 Sale \$113.50  
A time span from the Phoenicians to the mid-18th century is bridged to show the evolution of naval power and its impact on the development of empires, and the age of exploration.

**SEA POWER - SEAS OF LIBERTY**

28 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10365B  
Title No. 003345 Sale \$113.50  
Illustrates the impact of sea power on the national economy, geopolitical aspects of the seas from the mid-18th century, and the necessity for freedom of the seas.

**SEA POWER - THE SEA IS A SPECIAL PLACE**

28 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10365D  
Title No. 003346 Sale \$113.50  
Shows the responsibilities of command, and the demands and rewards for the people who make the complex and sophisticated naval machinery work.

**SEA POWER IN THE PACIFIC**

30 min, 16mm film, optical sd, b&w  
Producer USN Agency No. MN06124  
Title No. 669825 Sale \$52.00  
Traces the history and depicts the role of American sea power in the Pacific during World War II.

**SEA RIVER, THE**

14 min, 16mm film, optical sd, col 1965  
Producer USGS  
Title No. 004390 Sale \$48.50  
Documents the first scientific measurement of the Amazon conducted in the summer of 1963 by a four-man team from the U S Geological Survey in co-operation with the Brazilian Navy and the University of Brazil.

**SEALAB I**

28 min, 16mm film, optical sd, col 1965  
Producer USN Agency No. N10100  
Title No. 003228 Sale \$94.50  
Shows exploratory attempt to apply laboratory studies of man's ability to live and work in an artificial atmosphere at a depth of 200 feet for prolonged periods.

**SEAPOWERN - PLYMOUTH ROCK TO POLARIS**

28 min, 16mm film, optical sd, col 1965  
Producer USN Agency No. MN 10019  
Title No. 003351 Sale \$94.50  
Shows the history and growth of American naval power and its importance.

**SEARCH AND RESCUE - PLEASURE CRAFT**

26 min, 16mm film, optical sd, col 1960  
Producer USCG  
Title No. 003352 Sale \$88.00  
Reveals the existence and explains the operation of the search and rescue network as it applies to surface craft, especially pleasure boats. It details specifically the proper procedures to be followed by vessels in distress in obtaining search and rescue assistance.

**SEARCH AND RESCUE - VISUAL ASPECTS OF SEARCH AND SIGNALLING**

19 min, 16mm film, optical sd, col 1947  
Producer USN Agency No. MN05309A  
Title No. 003353 Sale \$65.00  
Shows relative merits of dye markers, very pistols, flares, smokes and mirrors. Describes air search patterns.

**SEAS OF INFINITY**

15 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQA 135  
Title No. 671490 Sale \$62.00  
Reviews the planning development, launching and function of the orbiting astronomical observatory, a series of orbiting telescopes which are being used to study our solar system and the stars beyond. Features comments by leading scientists on the potential of this advancement in astronomy.

**SEAS OF SWEET WATER**

18 min, 16mm film, optical sd, col 1967  
Producer USIA Agency No. 01-02644  
Title No. 004391 Rental: W/DRAWN Sale: W/DRAWN  
Provides an impressionistic presentation of the Great Lakes Region in North America.

**\*SEASONS**

16 min, 16mm film, optical sd, col 1971  
Producer USSR Agency No. FR 0279  
Title No. 005290 Sale \$68.00  
Deals with the health and rehabilitation of older people, including nursing and rest home conditions and effective programs in geriatric therapy.

**SEATBELTS, YOUR LIFE INSURANCE**

9 min, 16mm film, optical sd, col 1962  
Producer USAF Agency No. FR 0279  
Title No. 672050 Sale \$31.00  
Emphasizes benefits of seat belts in preventing fatalities and in reducing injuries. Shows methods of installation.  
CLEARED FOR TV.

**SECONDARY IMPRESSIONS FOR THE DISTAL EXTENSION BASE REMOVABLE PARTIAL DENTURE**

15 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-127  
Title No. 003354 Sale \$58.75  
Demonstrates the procedures incident to obtaining impressions of edentulous areas made on bases attached to the removable partial denture framework. These secondary impressions cover all available bearing areas, record the peripheral length, direction, and contours accurately and assure an intimate contact between the base and residual ridge.

**SECONDARY SURVEY, CONTROL POINTS, AND HYDROGRAPHIC DEVELOPMENTS**

18 min, 16mm film, optical sd, col 1950  
Producer USN Agency No. MN 06755B  
Title No. 672500 Sale \$61.75  
Describes secondary signals, building, sounding and wire dragging operations, tide and current observations, photogrammetric compilation, magnetic observations, and other miscellaneous survey work.

**SECTIONAL VIEWS AND PROJECTIONS - FINISH MARKS**

15 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 054  
Title No. 673800 Rental \$7.50 Sale \$27.00  
Shows dimension, center, cross-section and object lines. Discusses the uses of finish marks and the meanings of standard cross-section lines.  
From the MACHINE WORK series. Fundamentals of Blueprint Reading

**\*SECTOR BOSS**

21 min, 16mm film, optical sd, col 1970  
Producer USDA Agency No. 9200  
Title No. 001902 Sale \$102.00  
Identifies the specific sector boss responsibilities and their

critical relationship to successful and economical fire management. The film is a factual episode based on the performance of a top-qualified sector boss assigned to a large campaign fire.

#### **SECURITY MAN**

17 min, 16mm film, optical sd, b&w 1961  
**Producer USDOD** Agency No. DOD IS 05  
**Title No. 003355** Sale \$30.50  
 Depicts development of increased security awareness among employees working on classified government contracts.

#### **SEEDS OF DISCOVERY**

28 min, 16mm film, optical sd, col 1970  
**Producer USNASA** Agency No. HQ 196  
**Title No. 675125** Sale \$109.50  
 Provides an overview of astronomy and space science projects for the 1970's, including Mariner flybys of Mars and Jupiter, Viking landings on Mars, a grand tour of the planets, and solar studies.

#### **SEIZURE--THE MEDICAL TREATMENT AND SOCIAL PROBLEMS OF EPILEPSY**

48 min, 16mm film, optical sd, b&w 1951  
**Producer USVA**  
**Title No. 003356** Sale \$81.25  
 Explains the diagnostic and therapeutic treatment of epilepsy through a dramatized story of an epileptic veteran, the background of his condition, and his treatment in a Veterans Administration Hospital. Describes the physiological basis of epilepsy, clinical manifestations of common types of seizures, and socio-economic problems facing an epileptic.

#### **SELF - THE MOBILE AIRFIELD**

14 min, 16mm film, optical sd, col 1961  
**Producer USN** Agency No. MH0954613  
**Title No. 676040** Sale \$48.50  
 Depicts the need for short airfield runways tailored to the requirements of jet aircraft operating to support military doctrine in amphibious assault Operations. Describes the installation of SELF (short expeditionary land field) and companion equipment for operational tests and shows SELF successfully passing these tests during Operations Blue Star.

#### **\*SELF MONITORING PRACTICE**

2 min, s8mm cartridge, optical sd, col  
**Producer USBEH**  
**Title No. 003425** Sale \$24.25  
 Sold only in a cartridge with auditory feedback and multi-sensory input feedback. Presents short insights into home and school education of the profound hearing impaired.

#### **\*SELL SAFETY**

10 min, 16mm film, optical sd, col 1968  
**Producer USBM**  
**Title No. 003530** Sale \$39.00  
 Explains why supervisors have to sell their workmen on the necessity of safe work habits. This is done by creating the desire in the workman to be safe - by outlining negative, possibly fatal, results in his working unsafely - and by pointing out the importance of his safety to not only himself but to his family.

From the **FOREMANSHIP TRAINING** series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15212. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### **SEMI-AUTOMATIC AND HAND MOLDING OF INTRICATE PARTS**

16 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 471  
**Title No. 676375** Rental \$7.50 Sale \$28.50  
 Shows how to mold a part with undercuts, mold a part with complicated shape, and assemble and disassemble a hand mold.  
 From the **PLASTICS** series, No. 6

#### **SEMI-IMMEDIATE ANTERIOR FIXED PARTIAL DENTURE WITH REVERSE PIN FACING ASSEMBLY OF BRIDGE AND**

13 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-43FP  
**Title No. 004409** Sale \$46.25

FULL TITLE--SEMI-IMMEDIATE ANTERIOR FIXED PARTIAL DENTURE WITH REVERSE PIN FACING ASSEMBLY OF BRIDGE AND DELIVERY TO PATIENT. The proper relationship of the retainers and pontics to the investing tissues is a most important esthetic and physiological consideration in any fixed prosthesis. A direct assembly and finishing procedure to gain optimal appearance and function, is demonstrated.

#### **SEMI-IMMEDIATE ANTERIOR FIXED PARTIAL DENTURE WITH REVERSE PIN FACING IMPRESSION ...**

14 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-58-FP  
**Title No. 004392** Sale \$49.50

FULL TITLE--SEMI-IMMEDIATE ANTERIOR FIXED PARTIAL DENTURE WITH REVERSE PIN FACING IMPRESSION PROCEDURE PREPARATION OF THE DIES AND WAXING RETAINERS. Describes the methodology of securing impressions for a fixed prosthesis-using mercaptan rubber following gingival retention. The procedures incident to producing accurate stone dies, and development of the wax patterns for threequarter type retainers.

#### **SENSORY CONDUCTION STUDIES - MEDIAN NERVE**

10 min, 16mm film, optical sd, col 1966  
**Producer USNMAC** Agency No. M-1409  
**Title No. 003444** Sale \$32.50  
 Demonstrates the antidromic and orthodromic techniques for recording the evoked potentials from digital sensory nerves.

#### **\*SERBO - CROATIAN - BASIC COURSE, UNITS 1-25**

22 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004097** Sale \$71.50  
 Cassettes and accompanying text are both available for \$75.00.

#### **OTHER FORMAT(S) or VERSION(S)**

39 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004098** Sale \$108.50  
 Tape set and accompanying text are both available for \$112.00.

#### **\*SERBO - CROATIAN - BASIC COURSE, UNITS 26-50**

24 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004099** Sale \$78.00  
 Cassettes and accompanying text are both available for \$83.25.

#### **OTHER FORMAT(S) or VERSION(S)**

44 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004100** Sale \$122.50  
 Tape set and accompanying text are both available for \$127.75.

#### **SERIES AND PARALLEL CIRCUITS**

8 min, 16mm film, optical sd, b&w 1944  
**Producer USN** Agency No. MN01540V  
**Title No. 677900** Sale \$14.25  
 Illustrates series and parallel circuits, explaining current flow and voltage drop across each lamp.  
 From the **RADIO TECHNICIAN** series.

#### **SERIES RC, RL, AND RCL CIRCUITS**

37 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-214  
**Title No. 003445** Sale \$76.25  
 Explains what a vector quantity is. Demonstrates the manner in which reactive circuits differ from resistive circuits, and explains why this difference exists and how it affects such factors as impedance and phase angle. (Kinescope)

## SERIES RC, RL, AND RCL CIRCUITS TRIGONOMETRIC SOLUTIONS

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-216  
Title No. 003446 Sale \$82.25  
Explains the method of solving for the phase angle and impedance by the use of trigonometric functions. Shows use of trigonometric tables. Gives problems requiring Z to be determined when XC or XL is known. (Kinescope)

## SERIES RCL QUALITY AND SELECTIVITY

28 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-221  
Title No. 003447 Sale \$58.50  
Explains quality factor and develops formula. Determines relationship between reactance and resistance in series RCL circuits. Explains selectivity, band pass and bandwidth and develops a chart showing how each is related to the other. Reviews all of series rcl circuits. (Kinescope)

## SERIES RESISTIVE CIRCUITS - DC POWER

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-121  
Title No. 003448 Sale \$60.50  
Defines electrical power in terms of 'work' and 'rate.' Discusses the three formulas for computing power (power equals voltage times current, power equals current squared times resistance, and power equals voltage squared divided by resistance). Gives problems to solve, using the power formulae. (Kinescope)

## SERIES RESISTIVE CIRCUITS - TROUBLESHOOTING

35 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-122  
Title No. 678015 Sale \$72.50  
Discusses the process of locating faults or troubles in a circuit. First, shows how 'opens' are located by use of a voltmeter and ohmmeter, and emphasizes the symptoms. Then, discusses 'shorts,' points out the symptoms, and demonstrates the procedure for locating shorts with a voltmeter. (Kinescope)

## SERIES RESONANT CIRCUITS

31 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-220  
Title No. 678020 Sale \$64.25  
Calculates the resonant frequency of a series RCL circuit, compares the magnitude of current and impedance, and vectorially analyzes the series RCL circuit as capacitive, inductive, or resistive. (Kinescope)

## SERIES-PARALLEL RESISTIVE CIRCUITS CIRCUIT ANALYSIS

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-131A  
Title No. 678025 Sale \$82.25  
Shows various combinations of series, parallel, and series-parallel circuits. Explains how to identify the type of circuit and how to solve for resistance of individual components and total resistance. Next, discusses the method of solving for voltage across each component and how to solve for total voltage of the circuit. Explains the method of calculating current. As a final step, describes and explains the procedure for constructing an equivalent circuit of a series-parallel circuit. (Kinescope)

## SEROLOGICAL TECHNIQUE--VENIPUNCTURE

7 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN09375C  
Title No. 003449 Sale \$24.50  
Demonstrates how to take a blood sample from the arm.  
From the MEDICAL LABORATORY TECHNIQUES series.

## SERUM CHOLESTEROL DETERMINATION

9 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0768  
Title No. 003450 Sale \$31.00  
Demonstrates the step-by-step procedure devised by Abell-Kendall for determining the cholesterol in serum.

## SERVICE MODULE, THE

5 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 008  
Title No. 678225 Sale \$20.00  
Reports on the unmanned portion of the Apollo spacecraft, the section providing essential services for the command and lunar modules. Explains the functions of propulsion, fuel storage, and advanced instrumentation.  
From the APOLLO DIGEST series.

## SERVICING A PROPELLER

18 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 277  
Title No. 678340 Sale \$37.50  
Tells how to inspect and remove a propeller, repair damage to the metal edges, check and correct for out-of-track and for out-of-balance, and reinstall the propeller.  
From the AIRCRAFT WORK series. Power Plant Maintenance

## SERVICING AN AIRPLANE

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 279  
Title No. 678350 Sale \$35.75  
Shows how to perform the various routine servicing operations on a plane on the ground--cleaning the airplane, refueling, changing the oil, inflating tires and starting the engine. Shows hand signals for guiding the pilot.

## SERVICING AND TIMING MAGNETOS

16 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 266  
Title No. 678360 Sale \$33.25  
Tells how to remove magnetos from the engine, install and adjust new points, and reinstall and time the magnetos.  
From the AIRCRAFT WORK series. Power Plant Maintenance

## SERVICING SPARK PLUGS AND IGNITION WIRING

22 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 265  
Title No. 678400 Sale \$46.25  
Shows how to remove spark plugs and ignition wires, how to clean, inspect, adjust and reinstall the spark plugs, and how to prepare and install ignition wires.  
From the AIRCRAFT WORK series. Power Plant Maintenance

## SERVICING WATER-COOLED CONDENSERS

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 451  
Title No. 678450 Rental \$7.50 Sale \$22.25  
Explains the theory of a counter-flow condenser, the essential elements of a water-cooled system and the operation and regulation of the electric water valve.  
From the REFRIGERATION SERVICE series. Commercial Systems, No. 4

## SERVING FOOD

11 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148-F  
Title No. 678500 Sale \$37.25  
Portrays the hiring of a waitress and shows the orientation and induction training given to her by a restaurant hostess, including instruction in the proper storage of cups, dishes, and glasses, cleanliness, correct ways of clearing tables, protecting the waitresses' health, and safeguards against disease.

## SERVING FOOD (SPANISH)

11 min, 16mm film, optical sd, col 1954  
Producer USNMAC Agency No. M-0148F-SP  
Title No. 003451 Sale \$37.25  
Portrays the hiring of a waitress and shows the orientation and induction training given her by a restaurant hostess, including instruction in the proper storage of cups, dishes, and glasses. Cleanliness, the correct ways of clearing tables, protecting the waitresses' health, and safeguards against disease are also shown.

**SERVO ANALYSIS**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-709  
Title No. 003452 Sale \$82.25  
Shows how the need for a servo system is established and a block diagram of a system is analyzed. Discusses error voltages. (Kinescope)

**\*SET THE PACE**

10 min, 16mm film, optical sd, col 1968  
Producer USBM  
Title No. 003527 Sale \$39.00  
By his sincerity and enthusiasm, the supervisor 'sets the pace' for the workmen to follow safety practices in the coal mining industry - by setting an example himself.  
From the *FOREMANSHIP TRAINING* series.

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**SETTING OF ENDEMIC SCHISTOSOMIASIS IN PUERTO RICO, THE**

4 min, 16mm film, silent, b&w 1948  
Producer USNMAC Agency No. 04-00065  
Title No. 003453 Sale \$7.75  
Illustrates three characteristic infection patterns of endemic schistosomiasis in Puerto Rico--pollution of a river, a brook, and sugar cane irrigation ditches by inadequate sewage disposal systems. Recommended for professional use.

**SETTING UP AND MACHINING BAR STOCK**

34 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 215  
Title No. 678800 Rental \$12.50 Sale \$58.75  
Describes how to set up the turret lathe for the production machining of bushings from bar stock. Tells how to install the collet, set up the hexagon turret and cross slide, and machine bar stock.  
From the *MACHINE SHOP WORK* series. Operations on the Turret Lathe, No. 4

**SETUP FOR FACE MILLING WITH A FIXTURE**

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 225  
Title No. 678900 Rental \$7.50 Sale \$35.25  
Explains how the horizontal boring, drilling and milling machine operates. Shows how to install the fixture, set up the workpiece, and select and install an end mill and a face mill.  
From the *MACHINE SHOP WORK* series. Operations on the Horizontal Boring Mill, No. 1

**SETUP FOR ROUGH LINE-BORING**

15 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 228  
Title No. 678905 Rental \$7.50 Sale \$27.00  
Shows how to position the workpiece on the table, and position the spindle for horizontal centers and for vertical centers.  
From the *MACHINE SHOP WORK* series. Operations on the Horizontal Boring Mill, No. 4

**\*SEVENTH CHAIR, THE**

13 min, 16mm film, optical sd, col 1971  
Producer USSBA  
Title No. 001430 Rental \$10.00 Sale \$45.25  
Dramatizes the credit and collection problems of 5 small business owners with a round-table discussion and flashbacks to their places of business. Ultimate answers to the questions raised are left up to the viewing audience.

**SEVENTH FLEET, THE**

12 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. MN08078  
Title No. 679445 Sale \$22.25  
Documents the operations and actions of the Seventh Fleet from August, 1949 to 1957.

**\*SH - 01**

9 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-101  
Title No. 003426 Sale \$21.00  
Emphasizes on the assessment of a pupil's automatic production of (SH) in words and syllables.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 02**

11 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-102  
Title No. 003427 Sale \$26.00  
Shows how the teacher begins the in-depth teaching of (SH) by teaching the first step: learning to blunt the tongue.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 03, PT 01**

12 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-103-1  
Title No. 003428 Sale \$28.50  
Shows how a second pupil begins learning (SH) through in-depth teaching.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 03, PT 02**

9 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-103-2  
Title No. 003436 Sale \$21.00  
Shows the continued work on the first step of learning (SH).  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 03, PT 03**

11 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-103-3  
Title No. 003437 Sale \$22.50  
Emphasizes on practice of the learned skill, proper tongue blunting.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 04**

14 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-104  
Title No. 003429 Sale \$31.50  
Shows demonstrations of more teaching devices which can be employed to help a pupil learn step 1 of learning (SH).  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 05**

11 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-105  
Title No. 003430 Sale \$32.50  
Shows how the pupil reaches the production stage of tongue blunting and is ready to learn the second step of (SH).  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 06**

14 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-106  
Title No. 003431 Sale \$26.75  
Shows how the pupil is ready for the third step of producing (SH) in isolation.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 07**

10 min, 16mm film, optical sd, b&w  
Producer USBEH Agency No. G-107  
Title No. 003432 Sale \$32.50  
Demonstrates work on the first word, (she), from presentation, imitation and production stages.  
From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF* Series. Major Area of Speech, Consonant

**\*SH - 08**

10 min, 16mm film, optical sd, b&w  
**Producer USBEH** Agency No. G-108  
**Title No. 003433** Sale \$26.00  
 Introduces a lesson showing evaluation and practice on all five nuclei words.  
 From the **TEACHING SPEECH TO THE PROFOUNDLY DEAF Series**. Major Area of Speech, Consonant

**\*SH - 09**

9 min, 16mm film, optical sd, b&w  
**Producer USBEH** Agency No. G-109  
**Title No. 003434** Sale \$19.75  
 Shows how the teacher gets evidence of correct automatic production of all five nuclei words in general speech situations.  
 From the **TEACHING SPEECH TO THE PROFOUNDLY DEAF Series**. Major Area of Speech, Consonant

**\*SH - 10**

9 min, 16mm film, optical sd, b&w  
**Producer USBEH** Agency No. G-110  
**Title No. 003435** Sale \$22.50  
 Shows how the pupil reaches the production stage on (CH) and the film ends at the presentation stage on (J).  
 From the **TEACHING SPEECH TO THE PROFOUNDLY DEAF Series**. Major Area of Speech, Consonant

**SHACKLES FOR THE GIANT**

25 min, 16mm film, optical sd, col 1965  
**Producer USAE**  
**Title No. 003454** Sale \$87.00  
 Shows, by animation and live photography, the development of the present flood-control plan and details of the plan in the lower alluvial valley of the Mississippi River. Portrays need for flood control by scenes illustrating the great damage and suffering caused by floods.

**SHADES OF GRAY**

66 min, 16mm film, optical sd, b&w 1948  
**Producer USA** Agency No. PMF 5047  
**Title No. 003455** Sale \$114.75  
 Portrays, through dramatized situations and case histories, various mental disorders experienced by soldiers during training and combat--ranging from mild anxiety states to severe depressive reactions and paranoid psychoses. Traces the life patterns of each affected soldier and relates his early familial and environmental experiences to the circumstances which precipitate his mental breakdown. Demonstrates methods of psychotherapy, including--emotional catharsis, narcoanalysis, hypnotic suggestions, and group therapy. Makes the point that in terms of mental health, no one is either 'black' or 'white,' everyone is a 'shade of grey.'

**SHAPER, THE**

15 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 070  
**Title No. 681500** Rental \$7.50 Sale \$27.00  
 Describes the functions, characteristics and basic operations of the shaper.  
 From the **MACHINE SHOP WORK series**. Basic Machines

**SHAPER, THE (SPANISH)**

15 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 070  
**Title No. 003499** Rental \$7.50 Sale \$27.00  
 Describes the functions, characteristics and basic operations of the shaper.  
 From the **MACHINE SHOP WORK series**. Basic Machines

**SHAPING AFTER TEMPLATE AND SHAPING CURVED EDGES**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 319  
**Title No. 681650** Rental \$7.50 Sale \$30.50  
 Shows how to make a template, install knives, use the template for smoothing squared edges and set up equipment for shaping a curved edge.  
 From the **PRECISION WOOD MACHINING series**. Operations On the Spindle Shaper, No. 2

**SHARPENING A FORM RELIEVED CUTTER**

18 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 093  
**Title No. 681850** Rental \$7.50 Sale \$32.00  
 Tells what constitutes the rake and clearance angles of the form relieved cutter, shows how to mount the correct attachment, set up for spotting the back of teeth and grind the face of the teeth.  
 From the **MACHINE SHOP WORK series**. Operations on the Cutter Grinder, No. 5

**SHARPENING A PLAIN HELICAL MILLING CUTTER**

16 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 091  
**Title No. 681900** Rental \$7.50 Sale \$28.50  
 Shows how to mount the helical cutter on an arbor and sharpen the secondary clearance angle. Describes how to check and adjust for taper when grinding the primary clearance angle.  
 From the **PRECISION WOOD MACHINING series**. Operations On the Cutter Grinder, No. 2

**SHARPENING A SHELL END MILL**

17 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 092  
**Title No. 681950** Rental \$7.50 Sale \$30.50  
 Shows how to select the correct arbor, mount the work head and adjust it for clearance settings, and set up for sharpening the outside diameter, corner and face.  
 From the **MACHINE SHOP WORK series**. Operations on the Cutter Grinder, No. 3

**SHARPENING A SIDE MILLING CUTTER**

23 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 090  
**Title No. 682050** Rental \$10.00 Sale \$40.50  
 Shows how to identify the parts of a cutter, select and mount the correct grinding wheel, mount the cutter, set up the grinder for sharpening, set the correct clearance angle and check for width of land.  
 From the **MACHINE SHOP WORK series**. Operations on the Cutter Grinder, No. 1

**SHARPENING AN ANGULAR CUTTER**

15 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 094  
**Title No. 682060** Rental \$7.50 Sale \$27.00  
 Describes how to choose the correct grinding wheel, adjust the swivel table for grinding the angular teeth of the cutter, adjust for clearance angle, and check the teeth for accuracy of the angle.  
 From the **MACHINE SHOP WORK series**. Operations on the Cutter Grinder, No. 4

**SHARPENING AND TEMPERING FARM TOOLS**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 193  
**Title No. 682065** Rental \$7.50 Sale \$30.50  
 Depicts how to heat carbon steel tools for forge sharpening. Tells how to sharpen, harden, and temper a plowshare and a cultivator shovel. Shows how to identify tempering colors.  
 From the **FARM WORK series**. Forging, No. 3

**SHEAR-LEACH PROCESS FOR SPENT NUCLEAR FUELS**

11 min, 16mm film, optical sd, col 1966  
**Producer USAEC**  
**Title No. 003456** Sale \$39.50  
 Illustrates the development at Oak Ridge National Laboratory of the Shear-Leach process, a mechanical method for reprocessing spent stainless steel or zircaloy-2 clad power reactor fuels. The various parts of the equipment are portrayed, as well as the operation of the Shear-leach with unirradiated fuel.

**SHEEP SHEARING**

21 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 199  
**Title No. 001906** Sale \$43.25  
 Illustrates how to handle sheep for shearing, shear the sheep step by step, and roll and tie the fleece.

From the FARM WORK series. Livestock, No. 1

**SHEEP SHEARING (SPANISH)**

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 199  
Title No. 003457 Sale \$43.25  
Illustrates how to handle sheep for shearing, shear the sheep step by step, and roll and tie the fleece.  
From the FARM WORK series. Livestock, No. 1

**SHIP'S BLUEPRINTS - BASIC**

22 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02335A  
Title No. 003458 Sale \$38.50  
Explains how to identify fundamental structural elements in ship construction by orthographic drawings and symbols, to visualize these drawings in three dimensions, to understand use and function of dotted and hidden lines, and to read a ship's blueprints.

**SHIPBOARD HELICOPTER OPERATIONS - FUNCTIONS**

8 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN07410B  
Title No. 682755 Sale \$27.75  
Discusses the principal missions of the helicopter aboard ship--as plane guard, in rescue and during mail transfers.

**SHIPBOARD HELICOPTER OPERATIONS - LANDING AND TAKE-OFFS**

7 min, 16mm film, optical sd, col 1954  
Producer USN Agency No. MN07410A  
Title No. 682750 Sale \$24.50  
Shows procedures to be followed in helicopter aboard landings and take-offs during shipboard operations.

**SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - FOOD PREPARATION**

25 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN08238D  
Title No. 003462 Sale \$43.75  
Shows how to make an inspection of the various areas of possible contamination in the preparation of food aboard ship. Discusses sanitary equipment and spaces, sanitary personnel, and sanitary work habits.

**SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - STORAGE**

12 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN 8238-C  
Title No. 003460 Sale \$22.25  
Shows how to make a sanitary inspection of the storage of food aboard ship. Covers such subjects as cleanliness, air circulation, temperature, and stowage. Designed primarily for use of medical officers and Navy hospital corpsmen.

**SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - WATER SUPPLY**

20 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN08238A  
Title No. 003461 Sale \$37.00  
Shows how and where to inspect a ship's fresh-water supply at the points of possible contamination.

**SHIPBOARD INSPECTION BY MEDICAL DEPARTMENT PERSONNEL - FOOD SERVING**

13 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN08238E  
Title No. 003459 Sale \$23.75  
Shows how to make an inspection of such food-serving areas as the messing areas, serving line, and the scullery. Designed primarily for use of medical officers and hospital corpsmen.

**SHIPBOARD VIBRATIONS, PT 3, VIBRATION, EXCITATION, AND RESPONSE**

15 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. MN09180C  
Title No. 003463 Sale \$27.00  
Shows through models, vibration excitation in the propulsion machinery due to imbalance and to propeller thrust variation, and the response of the ship's structure to this excitation.

**SHIPBUILDERS OF ESSEX**

22 min, 16mm film, optical sd, b&w 1949  
Producer USDS  
Title No. 003464 Rental \$7.50 Sale \$46.25  
Portrayal of New England craftsmen and their skill in the building of wooden ships in Essex, Massachusetts, illustrated through the construction of a 70-foot trawler, the St Rosalie.

**SHIPYARD FIRE AND EXPLOSION HAZARDS**

41 min, 16mm film, optical sd, col 1965  
Producer USDL  
Title No. 682800 Sale \$136.75  
Presents the principles of fires with applications to shipyard repairing and building activities. Control measures for prevention of fire and explosion accidents are pointed out.

**SHOCK EXCITED OSCILLATOR**

36 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-807  
Title No. 003465 Sale \$74.50  
Gives the purpose of each component in the shock excited oscillator circuit, explains the circuit operation, and shows the input and output waveshapes graphically. Using a trainer, explains how L and C of the duration of the input gate determine the frequency and duration of the output. (Kinescope)

**\*SHONA - BASIC COURSE**

10 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 008895 Sale \$32.50  
Cassettes and accompanying text are both available for \$35.00.

**OTHER FORMAT(S) OR VERSION(S)**

20 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 008894 Sale \$55.75  
Tape set and accompanying text are both available for \$58.25.

**SHOP SAFETY**

22 min, 16mm film, optical sd, col 1967  
Producer USA Agency No. TF09-3790  
Title No. 683100 Sale \$74.75  
Describes common hazards in a vehicle maintenance shop, and the precautions which should be employed to prevent accidents.

**SHORT FIELD PROCEDURE L-19 - BIRD DOG, PT 2, BARRIER LANDING AND BARRIER TAKEOFF**

10 min, 16mm film, optical sd, b&w 1960  
Producer USA Agency No. TF46-2848  
Title No. 003466 Sale \$21.00  
Shows directional control, power approach and line of descent in barrier landing, maximum performance takeoff and climb, and normal climb in barrier takeoff.

**SHORT WAY HOME, THE**

14 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1454X  
Title No. 683475 Sale \$47.00  
Discusses how patients who previously might have been confined to the hospital for a long period of recuperation can be returned to their homes through the facilities provided by the home services. The combined efforts of physicians, community nurses, therapists, and technicians bring the hospital to patient and speed his recovery in familiar surroundings.

**SHOULD THE DAY EVER COME**

26 min, 16mm film, optical sd, col 1967  
Producer USCG  
Title No. 003467 Sale \$98.00  
Follows the Coast Guard reservists as they develop and maintain the skills required to fulfill the missions imposed on the reserve to meet mobilization assignments--should the day ever come.  
Cleared for TV.

**SHOWDOWN**

13 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1213  
Title No. 683945 Sale \$45.25  
The young new supervisor attempts to get full co-operation and support from an older problem worker. The situation is commented on by co-workers, and the supervisor's boss. The relationship between the new young supervisor and his problem employee deteriorates to the point that the former proposes disciplinary action only to learn that his boss may not support him.

**SHUNT HARTLEY OSCILLATOR - VT**

28 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-518  
Title No. 003468 Sale \$58.50  
Shows the Shunt Hartley oscillator circuit, pointing out the identifying features and explaining the purpose of each component. Explains circuit operation through the use of an animated graphic. Explains the use of Shunt Hartley oscillators in high power circuits and lists the symptoms that would appear when each component is opened and shorted. (Kinescope)

**\*SHUTTLE CAR OPERATOR**

20 min, 16mm film, optical sd, col 1954  
Producer USBM  
Title No. 003540 Sale \$78.00  
Shows shuttle cars being used in underground coal mine haulage - depicts five accidents most common in their operation, explains the causes, and stresses the means of preventing similar accidents from happening.  
PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORBES AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**\*SICK CALL - INTRODUCTION TO SICK CALL TECHNIQUES**

26 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10613  
Title No. 003469 Sale \$105.50  
Training the inexperienced hospital corpsman to conduct sick call by acquainting him with the proper attitudes and procedures.

**SIDE FRAMES - SUBASSEMBLY OF A WEB FRAME**

17 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 027  
Title No. 684640 Sale \$36.50  
Shows how to lay out the main web plate from a template, fit stiffeners to the web plate, and dog the stiffeners to the plate for welding.  
From the SHIPBUILDING SKILLS series. Work of Shipfitter and Shipwright, No. 4

**\*SIGN OF PROFIT**

20 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 3079  
Title No. 684884 Sale \$100.00  
Depicts the dreams of a farmer and his wife. explains how these dreams for bettering farming are not so far off, if the farmer has the incentive to work for them.

**SIGNAL GENERATOR OPERATION**

9 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN01540Q  
Title No. 684850 Sale \$15.75  
Shows in detail how to use a signal generator to align a radio receiver.

**SILENT SENTINEL**

14 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN09439  
Title No. 003470 Sale \$48.50  
Explains the basic concept of the fleet ballistic missile program and shows all the necessary steps the Navy must go through to make the Polaris missile operational.

**SILENT WORLD, MUFFLED WORLD**

28 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. OM-1279  
Title No. 003471 Sale \$94.50  
Discusses the difficulties of speech, education, and normal living for the deaf. Animation explains the physiology of the ear, the mechanics of the hearing process, and the cause of hearing impairment. Shows the progress being made in the techniques of corrective ear surgery and in the methods of education and rehabilitation of deaf persons.

**\*SILICA GRANULOMA**

5 min, 16mm film, optical sd, col 1962  
Producer ILDS  
Title No. 004400 Rental: W/DRAWN Sale: W/DRAWN  
Documents a case history of ulcerating granuloma twelve years after traumatic imbedding of glass in the cheek. Shows recovery the glass fragment, chemical nature of changes occurring in the glass, histo-pathologic features of the granuloma, origin of the Schaumann bodies, and response to systemic steroid therapy.

**SILICATE CEMENT**

18 min, 16mm film, optical sd, col 1947  
Producer USVA Agency No. D-063  
Title No. 003472 Sale \$60.50  
Demonstrates the importance of incorporating, rapidly, as much powder as possible into a given quantity of liquid and of protecting cement from loss or gain of water throughout the hardening period. Shows effect of technique on such cement properties as setting time, strength, shrinkage, solubility and staining.

**SIMPLE CUP OF TEA, A**

28 min, 16mm film, optical sd, b&w 1965  
Producer USAID  
Title No. 688355 Sale \$41.00  
Tells how Ben Ferguson, farmer, teacher, rancher, businessman, an agricultural advisor of the Agency for the International Development applies his know-how and experience to farming in Pakistan.  
CLEARED FOR TV.

**SIMPLE EQUATIONS**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-117A  
Title No. 003474 Sale \$82.25  
Explains axioms and algebraic rules needed to solve simple linear equations. (Kinescope)

**SIMPLE EQUATIONS - FRACTIONS**

20 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-117B  
Title No. 003475 Sale \$42.50  
Applies axioms and algebraic rules to rearrangement of several electronic formulas. (Kinescope)

**SIMPLE FOUNDATION, PT 1, LAYOUT**

28 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02338B  
Title No. 003476 Sale \$48.75  
Explains through animation the layout of a simple foundation, and shows a workman performing the actual operations. Explains how to mark the template with necessary directions.  
From the SHIPBUILDING SKILLS series. The Shipfitter, Pt 1

**SIMPLE FOUNDATION, PT 2, DUPLICATION AND FABRICATION**

17 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02338C  
Title No. 003477 Sale \$30.50  
Shows how the layout man develops job from the templates. Depicts fastening template to steel plate, marking plate with center punch or painting billet on steel. Shows use of shears, burning torch, cold press, and punch.  
From the SHIPBUILDING SKILLS series.

<b>SIMPLE FOUNDATION, PT 3, ASSEMBLY AND INSTALLATION</b>	From the ELECTRICAL WORK series. Electrical Machinery, No. 1		
23 min, 16mm film, optical sd, b&w	1944	Agency No. MN02338D	
Producer USN		Agency No. MN02338D	
Title No. 003478		Sale \$40.50	
Demonstrates marking location aboard ship, swinging assembly aboard, welding deck and bulkhead after making corrections.			
From the SHIPBUILDING SKILLS series.			
<b>SIMPLE METHOD FOR TRACHEAL SUCTION AND BRONCHOSCOPY</b>	<b>SIT DOWN, DOCTOR - AND LIVE</b>		
11 min, 16mm film, optical sd, col	1961	11 min, 16mm film, optical sd, col	1970
Producer USA		Producer USVA	Agency No. D-124
Title No. 003479		Title No. 688726	Sale \$45.75
Describes the clinical requirement and prescribed method for performing safe and effective tracheal suction and bronchoscopy on patients who have undergone pulmonary surgery.		Points out that 'sit-down dentistry' can prolong a dentist's useful operating life about ten years. Emphasizes the value of 'sit-down dentistry' and shows the direct approach to the four oral quadrants.	
<b>SIMPLE VOLTAGE REGULATORS</b>	<b>*SIXTY DAYS BENEATH THE SEA - TEKTITE I</b>		
22 min, 16mm film, optical sd, b&w		15 min, 16mm film, optical sd, col	1970
Producer USAF	Agency No. TVK 30-430	Producer USN	Agency No. MN10841
Title No. 003480	Sale \$46.25	Title No. 689140	Sale \$60.00
Identifies the purpose of each component in a simple voltage regulator circuit and shows the current paths. Explains the circuit operation when the input voltage and the load are changed. Discusses the effect of placing VR tubes in the series. (Kinescope)		Shows how four aquanauts lived and conducted extensive oceanographic studies, during the longest undersea project, while their behavior in isolation was monitored by surface scientists.	
<b>*SIMPLIFICATION OF TRANSFORMATIONS</b>	<b>SKELETAL FIXATION BY THE STADER SPLINT, FRACTURES OF THE TIBIA</b>		
3 min, s8mm cartridge, optical sd, col		22 min, 16mm film, optical sd, b&w	1943
Producer USBEH		Producer USN	Agency No. MN 1724-A
Title No. 003438	Sale \$25.25	Title No. 003481	Sale \$38.50
Sold only in a cartridge with linguistic analysis and expanding language. Presents short insights into home and school education of the profound hearing impaired.		Demonstrates features of a Stader splint and its utilization for a fractured tibia. Shows use of special right angle splint for a proximal or distal fracture in which smaller fragment is incapable of holding regular pin bar. FOR MEDICAL PERSONNEL.	
<b>*SIMPLIFIED SEROLOGIC IDENTIFICATION OF SALMONELLA CULTURES</b>	<b>SKID CORRELATION STUDY</b>		
32 fr, 35mm filmstrip, 1/4 in. audiotape, col	1951	14 min, 16mm film, optical sd, col	1963
Producer USNMAC	Agency No. 5-171	Producer USFHWA	
Title No. 002191	Sale \$10.00	Title No. 689500	Sale \$48.50
Shows how to identify salmonella cultures by grouping them serologically and confirming them biochemically.		Compares various techniques used in testing the coefficients of friction on five specially constructed pavements at Tapahannock, VA.	
From the ISOLATION AND IDENTIFICATION OF SALMO-NELLA And Shigella Cultures Series			
<b>*SINGING CROSSROADERS, THE</b>	<b>*SKILLS FOR PROGRESS</b>		
30 min, 16mm film, optical sd, b&w	1965	27 min, 16mm film, optical sd, col	1965
Producer USIA	Agency No. 01-01557	Producer USDL	
Title No. 004401	Rental: W/DRAWN Sale: W/DRAWN	Title No. 002192	Rental \$12.50 Sale \$91.25
Contains a discussion with, and a performance by, the Singing Crossroaders, an American singing group, following their successful African tour.		Acquaints the general public with forms of modern apprenticeship and informs young people about the importance of a skill and what is involved in learning one. Also deals with shorter training programs.	
<b>SINGLE RAM VERTICAL SURFACE BROACHING</b>	 From the CAREER JOB OPPORTUNITY FILM series. CLEARED FOR TV.		
28 min, 16mm film, optical sd, b&w	1945		
Producer USOE	Agency No. OE 237		
Title No. 688200	Rental \$10.00 Sale \$48.75		
Tells how to install broaching inserts for straddle broaching, mount the tool-holder with its assembled broaching tool, mount and adjust the work fixture, and surface-broach at production rate.			
From the MACHINE SHOP WORK series. Operations on a Broaching Machine, No. 2			
<b>SINGLE SIDEBAND RADIO - INTRODUCTION</b>	<b>*SKYLAB</b>		
19 min, 16mm film, optical sd, b&w	1960	27 min, 16mm film, optical sd, col	1971
Producer USMC	Agency No. MH08939	Producer USNASA	Agency No. HQ 216
Title No. 688280	Rental \$7.50 Sale \$33.75	Title No. 690109	Sale \$115.50
Explains the theory of single sideband radio techniques and discusses SSB as compared to AM techniques.		Shows the major objectives of the mission, its principal components and features, the four launches involved, and a few of the scientific investigations that will be performed.	
<b>SINGLE-PHASE AND POLYPHASE CIRCUITS</b>	<b>SKYWARD THE GREAT SHIPS</b>		
17 min, 16mm film, optical sd, b&w	1945	27 min, 16mm film, optical sd, b&w	
Producer USOE	Agency No. OE 383	Producer CNASA	Agency No. HQ 186
Title No. 688350	Rental \$7.50 Sale \$30.50	Title No. 3482	Sale \$53.00
Explains a single-phase synchronous generator, the use of sine curves to illustrate flow changes, a two-phase system and three-phase system, and ways of simplifying wiring.		Examines various types of propulsion being developed for space missions and the applications and advantages of each. Illustrates research in chemical, nuclear and electrical propulsion systems.	

\* INDICATES NEW ENTRY

<b>SL-1 ACCIDENT, PHASES 1 AND 2, THE</b>		<b>1962</b>	<b>18 min, 16mm film, optical sd, b&amp;w</b>	<b>1952</b>
43 min, 16mm film, optical sd, col Producer USAEC Title No. C03484		Sale \$133.75	Producer USIA Title No. 004402	Rental: W/DRAWN Sale: W/DRAWN
Uses actual and reenacted scenes to present a resume of what happened in phases 1 and 2 following the accidental nuclear excursion of January 3, 1961.			Tells the story of a small town newspaper editor and his place in the community. Contrasts his operation with that of a big city newspaper, emphasizes friendly relationships with townspeople, and points up principles of a free press.	
<b>SLANTING</b>			<b>SMALL TOWN EDITOR</b>	
9 min, 16mm film, optical sd, col Producer USOCD Title No. 003485	1967	Agency No. DODCD05-259	10 min, 16mm film, optical sd, b&w	1951
Agency No. 08-10893		Sale \$31.00	Producer USA Title No. 003487	Rental \$5.00 Sale \$21.00
Uses complex animation and striking still photography to illustrate the 'slanting' techniques being used by many architects to incorporate fallout shielding in the new building they're now designing.			Explains the benefits, and shows some operations of a small town library, particularly the weekly delivery of books from the library of a big city nearby.	
CLEARED FOR TV.				
<b>SLIDE RULE, THE - 'C' AND 'D' SCALES</b>			<b>SMALL TOWN LIBRARY</b>	
24 min, 16mm film, optical sd, b&w Producer USOE Title No. 691600	1943	Agency No. OE 179	10 min, 16mm film, optical sd, b&w	1951
Rental \$10.00 Sale \$42.25			Producer USA Title No. 003488	Rental \$5.00 Sale \$21.00
Explains the 'C' and 'D' scales and markings on the slide rule. Shows how to use these scales for multiplication, division and combined operations.			Explains the benefits, and shows some operations of a small town library, particularly the weekly delivery of books from the library of a big city nearby.	
<b>SLIDE RULE, THE - PROPORTION, PERCENTAGE, SQUARES, AND SQUARE ROOTS</b>			<b>SMALLPOX VACCINATION - SHOULD OUR POLICY BE CHANGED</b>	
21 min, 16mm film, optical sd, b&w Producer USOE Title No. 691150	1944	Agency No. OE 354	28 min, 16mm film, optical sd, b&w	1969
Rental \$7.50 Sale \$37.00			Producer USNMAC Title No. 003488	Agency No. T-1678
Demonstrates how to use the 'C' and 'D' scales of the slide rule to calculate proportions and percentages, how to read the 'A' and 'B' scales, and how to calculate squares and square roots.			Show pros and cons for smallpox vaccination. Indicates that children die or suffer from vaccination complications but that our current freedom from smallpox is totally dependent on the continued use of the vaccine. (Kinescope)	
From the ENGINEERING series.			From the CONCEPTS AND CONTROVERSIES IN MODERN MEDICINE Series.	
<b>SLINGING LOAD</b>			<b>*SMOKE IN THE HOLLOW</b>	
17 min, 16mm film, optical sd, b&w Producer USN Title No. 691765	1944	Agency No. MN02340D	13 min, 16mm film, optical sd, col	1960
Sale \$30.50			Producer USDA Title No. 003995	Agency No. 1420
Shows how to rig and use slings to handle various types of loads, and explains safety precautions to be observed.			member of a volunteer fire crew tells a story designed to point out the damage resulting from mancaused fires in the hill country of Ohio. Typical causes of fires and the ways in which fires can lower the general prosperity of the community are shown. Can be used to advantage in similar rural communities.	
From the SHIPBUILDING SKILLS series.			<b>*SMOKEJUMPERS</b>	
<b>*SLOW DEATH</b>			10 min, 16mm film, optical sd, b&w	1949
23 min, 16mm film, optical sd, b&w Producer USNIMH Title No. 002194	1971	Producer USDA Title No. 003996	Agency No. 1042	
Rental \$10.00 Sale \$48.50			Sale \$45.00	
Dramatized the life of heroin users in the inner city. Made by a group of Black young people in Philadelphia.			Shows how the U S Forest Service has developed its own airborne squadron--smokejumpers, or parachute firefighters--to combat forest fires in the remote, roadless areas of our great north country and the southwest. Smokejumping is a fast efficient way of getting firefighters to where they are needed in such country. Every jump is a hazardous operation, but the film shows that the jumper is given maximum protection by reason of well-planned equipment and grueling training. Covers both the glamorous and unglamorous aspects of smokejumping and carries a dramatic forestfire prevention message.	
<b>SLOW-SPEED FLIGHT CHARACTERISTICS OF SWEPT WING AIRCRAFT</b>			<b>*SMOKEY AND HIS FRIENDS</b>	
18 min, 16mm film, optical sd, b&w Producer USN Title No. 691980	1957	Agency No. MN05617	4 min, 16mm film, optical sd, col	1987
Sale \$32.00			Producer USDA Title No. 003997	Agency No. 6435
Shows how slow-speed flight affects the flow of the air over swept-wing aircraft and how a stall originates at the wing tips instead of at the wing roots as in conventional wing aircraft.			Smokey meets some of his wild animal and bird friends and watches them in their forest home. He reminds us that fires destroy the homes of his friends.	
<b>SMALL BOAT NAVY, THE</b>			<b>*SMOKEY AND THE LITTLE BOY</b>	
28 min, 16mm film, optical sd, col Producer USN Title No. 003486	1968	Agency No. MN10387	5 min, 16mm film, optical sd, col	1980
Sale \$113.50			Producer USDA Title No. 692901	Agency No. 1504
A report on the operations of the U S Navy's small boats in Vietnam. Includes scenes of swiftboats, PBR'S, MSB'S, LCPL'S, armored troop carriers and monitors along with Seawolf helicopters on coastal and river patrols under enemy fire or spearheading invasions in enemy-held river territory.			Sale \$26.00	
<b>*SMALL SAWMILL, THE</b>			Presents a special Smokey Bear animated cartoon featurette which combines several of the Smokey Bear 1-minute animated spots.	
20 min, 16mm film, optical sd, col Producer USDA Title No. 692200	1954	Agency No. 1132	<b>*SMOKEY THE BEAR</b>	
Sale \$89.00			5 min, 16mm film, optical sd, b&w	1952
Stimulates the interest of owners and operators of small sawmills in more efficient production, better quality of lumber, and more complete utilization of sawtimber and sawlogs. It shows the transformation of a small dilapidated, unproductive sawmill into an efficient and productive operation. Filmed in the east.			Producer USDA Title No. 692918	Agency No. 1149
				Sale \$11.00
			A group of boys on a camping trip are reminded of their responsibility in helping to prevent forest fires. Smokey Bear stars and Eddy Arnold sings.	

\* INDICATES NEW ENTRY

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<b>*SMOKEY'S STORY</b>		<b>SODIUM REACTOR EXPERIMENT FABRICATION</b>
12 min, 16mm film, optical sd, col Producer USDA Title No. 001963	1971 Agency No. 10519 Sale \$6.50	19 min, 16mm film, optical sd, col Producer USAEC Title No. 003494
Dennis Weaver meets a group of young campers in the woods. He sees that one boy is playing with a box of matches. He retells the true story of Little Smokey, the cub who survived a forest fire. Mr. Weaver succeeds in convincing the boy that matches are not for play.		Sale \$89.00
<b>SNAP-3 OPERATIONAL TESTS</b>		<b>Explains fuel element fabrication and testing grid plate fabrication, control rod system testing, core tank fabrication, thermal shield ring fabrication, top plug fabrication, sodium pump inspection, heat exchanger and coolant piping inspection, and fuel handling system checkout.</b>
18 min, 16mm film, optical sd, col Producer USAEC Title No. 003489	1960 Sale \$72.50	<b>*SOIL AND WATER CONSERVATION</b>
Describes operational tests (vibration, shock, acceleration, fire, explosion, land and sea impact, effects of salt water, and aerodynamic heating) on the 4lb SNAP-3 isotopic power unit, which uses po-210 to generate more than 3 watts as a source of auxiliary power for space vehicles. Concludes that SNAP-3 will operate effectively on launch and in orbit.		10 min, 16mm film, optical sd, b&w Producer USDA Title No. 695751
<b>*SNUFFY - SMOKEY BEAR'S PAL</b>	1958 Agency No. 1058-17 Sale \$28.00	Conservation farming methods to protect soil and water resources--contouring, terracing, strip cropping, cover crops, crop rotation, and tree and grass planting--are demonstrated.
4 min, 16mm film, optical sd, col Producer USDA Title No. 693911		<b>SOLAR ECLIPSE EXPEDITION, 1966</b>
Presents a cocker spaniel's version of helping Smokey Bear prevent forest fires. Snuffy ardently supports Forest Rangers in their constant vigilance to detect fires in the forest and in their efforts to keep them from getting out of hand.		32 min, 16mm film, optical sd, col Producer USAEC Title No. 003495
<b>SO LITTLE TIME</b>	1968 Sale \$113.50	Sale \$187.25
28 min, 16mm film, optical sd, col Producer USBS-W Title No. 003490		Follows the solar eclipse expedition of 1966 as it chases the Moon's shadow across the south Atlantic Ocean during the eclipse. Uses animation to explain what scientists look for when they study the Sun's corona during an eclipse. Describes the three major experiments made during the trip as well as the various types of equipment used.
Show the need for preserving our wildlife by presenting intimate close-ups of birds and mammals in their natural environment. Describes environmental factors contributing to the decline in waterfowl and other birdlife. Shows animals in moments of peril. Territorial disputes, at rest, and in flight.		<b>SOLDERING LUGS AND SPLICING STRANDED CONDUCTORS</b>
<b>SOCIAL ADJUSTMENT FOR THE APHASIC PATIENT</b>	1950 Sale \$88.00	18 min, 16mm film, optical sd, b&w Producer USOE Title No. 696150
26 min, 16mm film, optical sd, col Producer USVA Title No. 694500		Agency No. OE 371 Rental \$7.50 Sale \$32.00
Emphasizes the problems of social reorientation encountered by the aphasic patient, and explains the use and importance of group therapy and of corrective physical therapy, retaining of the language function, and contacts outside the hospital environment.		Demonstrates how to splice stranded conductors and how to make a severed cable splice. Shows the use of soldering tongs, blowtorch, and solder pot and ladle to solder a lug. From the ELECTRICAL WORK series. Wring, No. 2
<b>SOCIAL CHANGE IN A DEMOCRACY</b>	1951 Rental \$10.00 Sale \$62.50	<b>SOLID STATE PRINCIPLES</b>
30 min, 16mm film, optical sd, b&w Producer USA Title No. 003491		26 min, 16mm film, optical sd, b&w Producer USAF Title No. 696340
Portrays students in a high-school social-studies class discussing the difference between conditions in a democracy and in a totalitarian state, then learning first-hand how a problem in their own community, arising from a social change, is solved by law and assembly of the people.		Agency No. TVK 30-231 Sale \$54.75
<b>SOCIAL SECURITY STORY, THE</b>	1962 Sale \$48.50	Identifies the relative energy level of electrons, and identifies chemically active and chemically stable atoms. Defines 'electron pair band' (covalent band) and lattice structure, and differentiates between conductor, semiconductor and insulator. Describes the effect of donor and acceptor atoms on chemically stable lattice structures, and defines and identifies 'P' and 'N' type materials. (Kinescope)
14 min, 16mm film, optical sd, col Producer USSA Title No. 003492		<b>SOLUBILITY AND OPTOCHINE TESTS FOR STREPTOCOCCUS PNEUMONIAE</b>
Gives essential program information and facts about account numbers, how records are kept.		8 min, 16mm film, optical sd, col Producer USNMAC Title No. 003496
<b>SODIUM REACTOR EXPERIMENT</b>	1958 Sale \$115.25	Agency No. M-1766 Sale \$33.50
22 min, 16mm film, optical sd, col Producer USAEC Title No. 003493		Demonstrates the differentiation of streptococcus pneumoniae from other species by the optochin test or by the addition of sodium desoxycholate.
Presents a summary of the preparation, fabrication, and testing of major reactor components, showing installation at the site, the startup, operation, and control as well as safety elements of the sodium reactor experiment (nuclear power) designed, constructed, and operated for the AEC by Atomics International near Los Angeles.		<b>SOLVING VERBAL PROBLEMS IN MATHEMATICS</b>
		21 min, 16mm film, optical sd, col Producer USOE Title No. 697143
		Sale \$85.75
		Shows effective ways to promote verbal problem solving skills. Examples of teachers and pupils in action, using various problem solving techniques, are interspersed with examples of actual work which results from the use of multiple approaches. Ranges across content areas, without stressing any particular content.
		From the PROJECT ON INTERPRETING MATHEMATICS EDUCATION Research Series.
		<b>SOME GLIMPSES OF ANTHONY</b>
		10 min, 16mm film, optical sd, b&w Producer USOE Title No. 004403
		Sale: W/DRAWN
		An in-depth story of the individualized handling required for one child.
		From the TEAMS FOR LEARNING series.

\* INDICATES NEW ENTRY

**\*SOME OF OUR VOICES**

30 min, 16mm film, optical sd, b&w 1963  
**Producer USIA**  
**Title No. 004404** *Rental: W/DRAWN Sale: W/DRAWN*  
 Shows the cultural heritage of the United States and the present state of various arts. Includes orchestras, repertory theaters and ballet companies.

**\*SOMETHING OF OUR OWN**

28 min, 16mm film, optical sd, col 1970  
**Producer USHUD**

**Title No. 697800** *Sale: W/DRAWN*  
 Illustrates the first project completed under the Turnkey III program which offers an opportunity for homeownership to residents of public housing. Presents a positive approach to public housing and follows the Forest Heights Development in Gulfport, Mississippi from its conception to its successful conclusion.

**\*SOMETHING TO CROW ABOUT**

28 min, 16mm film, optical sd, col 1964  
**Producer USDA** *Agency No. 4071-1*  
**Title No. 697907** *Sale \$126.00*  
 Shows modern processing plants and the inspection program that assures the consumer that the product bearing the USDA inspection mark is safe, clean, and wholesome.

**SONIC BOOM - THUNDER FROM THE BLUE SKIES**

14 min, 16mm film, optical sd, col 1964  
**Producer USAF** *Agency No. SFP 1215*  
**Title No. 698600** *Sale \$48.50*  
 Describes phenomena of shock waves which produce sonic booms.  
**CLEARED FOR TV.**

**\*SOUND DISCRIMINATION OF HEARING IMPAIRED**

25 min, 16mm film, optical sd, col  
**Producer USBEH**  
**Title No. 003440** *Sale \$101.75*  
 The research laboratory at Gallaudet College has been carrying out discrimination tests to explore the detailed discrimination capacity of persons with moderate to severe sensory-neural deafness. This film presents the research procedure and an interpretation and application of test findings.

**SOUND PERCEPTION METHOD, THE**

39 min, 16mm film, optical sd, col 1970  
**Producer USBEH**  
**Title No. 699203** *Sale \$170.50*  
 Surveys the methods of instruction used at the Institute Voor Doven, Sint Michielsgestel, the Netherlands from home visit through integrated secondary school.  
 From the *INTERNATIONAL EDUCATION OF THE HEARING Impaired Child Series*.

**\*SOUNDS ON THE SEA**

28 min, 16mm film, optical sd, col 1970  
**Producer USN** *Agency No. MN10409*  
**Title No. 699748** *Sale \$113.50*  
 Explains that many of the sounds of the sea originate in marine life. Demonstrates how the sounds are analyzed, why the sounds are studied, and how they can confuse the sonar operator.

**SOURCES OF AIR POLLUTION**

5 min, 16mm film, optical sd, col 1962  
**Producer USNMAC** *Agency No. MIS-0677*  
**Title No. 699900** *Sale: W/DRAWN*  
 Acquaints the viewer with the relationship between our modern technological way of life and air pollution. It shows the principal sources of air pollution.

**SPACE AGE RAILROAD**

18 min, 16mm film, optical sd, col 1969  
**Producer USAF** *Agency No. SFP 1650*  
**Title No. 702390** *Rental \$10.00 Sale \$74.25*  
 Tells the story of high speed test track, a research and development facility at Holloman AFB, New Mexico. Highlights advancements since the first track run in 1950. Illustrates

monorail runs and explains principal braking systems. Introduces unique track features and explains scope and versatility. Shows mass of electronic equipment used to provide data. Depicts instrumentation setup involving use of optical systems. Explains physical layout of areas.  
**CLEARED FOR TV.**

**SPACE COMMUNICATIONS**

19 min, 16mm film, optical sd, col 1960  
**Producer USAF** *Agency No. TF01-5296*  
**Title No. 003498** *Sale \$65.00*  
 Highlights basic principles and techniques of communications, stressing those factors that relate directly to space. Explains behavior of electromagnetic waves and formula for computing their attenuation rate.

**SPACE DOWN TO EARTH**

28 min, 16mm film, optical sd, col 1970  
**Producer USNASA** *Agency No. HQ 204*  
**Title No. 702425** *Sale \$115.50*  
 Shows applications of space satellites and how they will help man make more precise Earth measurements, locate new mineral resources, trace pollution, track migrating animals, make long range weather forecasts, and improve navigation and communications.

**\*SPACE IN THE 70'S - AERONAUTICS**

28 min, 16mm film, optical sd, col 1971  
**Producer USNASA** *Agency No. HQ 205*  
**Title No. 002196** *Sale \$115.50*  
 Shows the technical problems of flight, and the operational problems of commercial and private aviation, that need to be solved and the areas of research that NASA will conduct during the 1970's.  
 From the *SPACE IN THE 70'S* series.

**\*SPACE IN THE 70'S - CHALLENGE AND PROMISE**

27 min, 16mm film, optical sd, col 1973  
**Producer USNASA** *Agency No. HQ 213*  
**Title No. 006384** *Sale \$121.25*  
 Presents an updated overview of the content of the space in the 70's series.  
 From the *SPACE IN THE 70'S* series.

**\*SPACE IN THE 70'S - EXPLORATION OF THE PLANETS**

25 min, 16mm film, optical sd, col 1971  
**Producer USNASA** *Agency No. HQ 212*  
**Title No. 002197** *Sale \$103.75*  
 Summarizes the principal features of the planets and presents the various missions planned for their exploration during the decade of the 1970's.  
 From the *SPACE IN THE 70'S* series.

**\*SPACE IN THE 70'S - MAN IN SPACE - THE SECOND DECADE**

28 min, 16mm film, optical sd, col 1971  
**Producer USNASA** *Agency No. HQ-206*  
**Title No. 502325** *Sale \$94.50*  
 Reviews the achievements of manned space flight during its first decade and shows the programs for manned flight during the 1970's. Programs that are technically feasible and desirable beyond 1980 are included.  
 From the *SPACE IN THE 70'S* series.

**\*SPACE IN THE 70'S - THE KNOWLEDGE BANK**

25 min, 16mm film, optical sd, col 1971  
**Producer USNASA** *Agency No. HQ 207*  
**Title No. 002189** *Sale \$105.75*  
 Presents the idea that research results are 'deposits' to be accumulated and later drawn upon-with the payoff frequently beyond even the range of science fiction. Takes a broad look at physics and astronomy research performed in the laboratory of space-a laboratory teeming with particles, fields, streams, flares, quasars, pulsars - a laboratory where the experiments will answer questions whose importance to us we can't even guess now.  
 From the *SPACE IN THE 70'S* series.

**\*SPACE IN THE 70'S - A SERIES**

16 min. 16mm film, optical sd, col 1971  
**Producer USNASA**  
**Title No. 006407** Sale \$778.75  
 Presents the highlights of NASA's research and development activities during the 1970's.

**SPACE DOWN TO EARTH****SPACE IN THE 70'S - AERONAUTICS****SPACE IN THE 70'S - THE KNOWLEDGE BANK****SPACE IN THE 70'S - EXPLORATION OF THE --****PLANETS****SPACE IN THE 70'S - CHALLENGE AND PROMISE****SPACE MEDICINE**

29 min. 16mm film, optical sd, b&w 1967  
**Producer USNASA** Agency No. HQK-SR8  
**Title No. 702567** Sale \$53.75  
 Shows a discussion on medical progress and problems of sending a human being into space including the requirements of a space suit and life support equipment. A general look at the medical program for manned space flight.

**SPACE NAVIGATION**

13 min. 16mm film, optical sd, col 1959  
**Producer USAF** Agency No. TF01-5295  
**Title No. 702578** O/PRINT  
 Explains the science of interplanetary flight through an imaginary trip to Mars and depicts the elements of navigation guidance and control.  
 THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

**SPACE NAVIGATION**

21 min. 16mm film, optical sd, col 1967  
**Producer USNASA** Agency No. HQ 116  
**Title No. 702576** Sale \$87.50  
 Explains principles of charting a course in space for manned and unmanned spacecraft and navigating between Earth and other celestial bodies, with concentration on navigation methods in the Apollo program.

**SPACE ORBITS**

18 min. 16mm film, optical sd, col 1960  
**Producer USAF** Agency No. TF01-5293  
**Title No. 002926** Sale \$61.75  
 Presents through animation, basic facts as to orbital patterns and the forces which produce them. Explains the patterns in relation to space missions of missiles, artificial Earth satellites, lunar probes, and space travelers, and shows how all must follow paths dictated by the same natural laws formulated by Sir Isaac Newton nearly three hundred years ago.  
 CLEARED FOR TV.

**SPACE SPRAYING OF INSECTICIDES**

11 min. 16mm film, optical sd, col 1961  
**Producer USNMAC** Agency No. M-0442  
**Title No. 002710** Sale \$37.25  
 Demonstrates techniques of space spraying for insect control over large areas, and shows various types of modern power-spraying equipment.

**SPACE SPRAYING OF INSECTICIDES (SPANISH)**

11 min. 16mm film, optical sd, col 1961  
**Producer USNMAC** Agency No. M-0442  
**Title No. 003501** Sale \$37.25  
 Demonstrates techniques of space spraying for insect control over large areas, and shows various types of modern power-spraying equipment.

**SPACE SUIT**

5 min. 16mm film, optical sd, col 1969  
**Producer USNASA** Agency No. AD 026  
**Title No. 702917** Sale \$24.00  
 Gives the story on the space suit worn on the Apollo missions. Includes footage of the extra-protection garment worn by the astronauts who actually walk on the surface of the Moon.  
 From the APOLLO DIGEST series.

**SPACE TO GROW, A**

32 min. 16mm film, optical sd, b&w 1968  
**Producer USOE**  
**Title No. 702925** Sale \$41.00  
 Documents the aims and techniques used by the Upward Bound program to motivate and rectify the academic disabilities of talented poor youngsters.

**\*SPACE-AGE SOUND EFFECTS**

15 min. 1/4 in. audiotape, full-track, monaural  
**Producer USNASA**  
**Title No. 002199** Sale \$7.50  
 Contains satellite telemetry signals and launch vehicle sound effects. Each excerpt is identified by a brief introductory narrative.

**\*SPACEPORT U S A**

24 min. 16mm film, optical sd, col 1967  
**Producer USNASA** Agency No. HQ 210  
**Title No. 702927** Sale \$96.00  
 Describes the facilities and operation of the John F Kennedy Space Center and the launch site for the 365 foot Apollo/Saturn V rocket.

**\*SPANISH - BASIC COURSE, UNITS 1-15**

15 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004101** Sale \$48.75  
 Cassettes and accompanying text are both available for \$54.75.

**OTHER FORMAT(S) OR VERSION(S)**

30 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004102** Sale \$83.50  
 Tape set and accompanying text are both available for \$89.50.

**\*SPANISH - BASIC COURSE, UNITS 16-30**

21 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004103** Sale \$68.25  
 Cassettes and accompanying text are both available for \$74.50.

**OTHER FORMAT(S) OR VERSION(S)**

36 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004104** Sale \$100.50  
 Tape set and accompanying text are both available for \$106.75.

**\*SPANISH - BASIC COURSE, UNITS 31-45**

16 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004105** Sale \$52.00  
 Cassettes and accompanying text are both available for \$57.25.

**OTHER FORMAT(S) OR VERSION(S)**

31 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004106** Sale \$86.50  
 Tape set and accompanying text are both available for \$91.75.

**\*SPANISH - BASIC COURSE, UNITS 46-55**

18 audiotape cassettes, 2-track, monaural  
**Producer USFSI**  
**Title No. 004107** Sale \$58.50  
 Cassettes and accompanying text are both available for \$62.50.

**OTHER FORMAT(S) OR VERSION(S)**

30 1/4 in. audiotapes, full-track, monaural  
**Producer USFSI**  
**Title No. 004108** Sale \$83.50  
 Tape set and accompanying text are both available for \$87.50.

**\*SPANISH - FROM SPANISH TO PORTUGUESE**

2 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004113

Sale \$6.50

Cassettes and accompanying text are both available for \$7.50.

**OTHER FORMAT(S) OR VERSION(S)**

4 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004114

Sale \$11.25

Tape set and accompanying text are both available for \$12.25.

**\*SPANISH - PROGRAMMATIC, VOL 1**

24 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004109

Sale \$78.00

Cassettes and accompanying text are both available for \$80.25.

**OTHER FORMAT(S) OR VERSION(S)**

24 1/4 in. audiotapes, 2-track, monaural

Producer USFSI

Title No. 004110

Sale \$66.75

**\*SPANISH - PROGRAMMATIC, VOL 2**

16 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004111

Sale \$52.00

Cassettes and accompanying text are both available for \$57.25.

**OTHER FORMAT(S) OR VERSION(S)**

16 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004112

Sale \$45.00

Tape set and accompanying text are both available for \$50.25.

**\*SPARK ARRESTER INSPECTION**

10 min, 16mm film, optical sd, col

1965

Producer USDA

Title No. 002634

Agency No. 5195

Sale \$46.00

This training picture shows the proper procedures for maintenance and inspection of spark arresters used on all types of motorized equipment.

**SPEAKING OF MODELS**

28 min, 16mm film, optical sd, col

1965

Producer USAE

Title No. 003502

Sale \$110.00

Shows how hydraulic model studies at the U S Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, aid in planning and designing corps of engineers' projects for flood control navigation, and hydroelectric power. Models shown are Greenup locks and dam, east passage of Narragansett Bay, Savannah Harbor, Texarkana dam outlet works, and old river control structure. Tide machine instrumentation is also discussed and illustrated.

**SPECIAL CIRCUMSTANCES**

14 min, 16mm film, optical sd, b&amp;w

1946

Producer USN

Title No. 003503

Agency No. MN0202X

Sale \$30.50

Illustrates five cases in which the courts decided the rules of special circumstances were not applicable.

**SPECIAL EYE CARE FOR BURNS**

11 min, 16mm film, optical sd, col

1969

Producer USA

Title No. 003504

Agency No. PMF 5424

Sale \$44.75

Demonstrates the special eye care of patients suffering second and third degree burns of the face to prevent eye infection and corneal laceration.

**SPECIAL LIGHTS**

29 min, 16mm film, optical sd, col

1943

Producer USN

Title No. 003505

Agency No. MN00202G

Sale \$97.75

Describes international and inland rules for flare up, naval and navigation signals, pilot vessels, fishing vessels, ferry boats, dredges, and fishing craft at anchor.

**SPECIAL PURPOSE TUBES - REMOTE CUTOFF AND BEAM POWER TUBES**

18 min, 16mm film, optical sd, b&amp;w

Agency No. TVK 30-422

Producer USAF

Sale \$38.50

Title No. 003506  
Discusses the distinguishing characteristics, operation, and advantages of remote cutoff tubes. Compares remote and sharp cutoff tubes, and discusses the operation of a sharp cutoff tube. Gives the purpose of remote cutoff tubes, discusses the beam power tube construction and how the beam forming plates overcome disadvantage of secondary emission, thereby making it an ideal tube for power amplification. (Kinescope)**SPECIAL STEERING AND SAILING RULES**

14 min, 16mm film, optical sd, b&amp;w

1943

Producer USN

Agency No. MN00202Z

Title No. 003507

Sale \$25.50

Gives the steering and sailing rules governing a steam vessel under way and a sailing vessel fishing. Defines 'privilege' and 'burden'.

**SPECIFICITY OF ANTIGEN-ANTIBODY REACTIONS, THE**

32 min, 16mm film, optical sd, b&amp;w

1968

Producer USNMAC

Agency No. T-1509

Title No. 003508

Sale \$66.50

Introduces the viewer to basic principles of immunology, giving some insight as to the chemical and physical forces that contribute to the phenomenon of immunological specificity. (Kinescope)

**\*SPEECH - UPPER GRADE LEVEL**

19 min, 16mm film, optical sd, col

Producer USBEH

Title No. 000352

Sale \$75.75

The film demonstrates a speech program for the hearing impaired at the upper grade levels. Lessons presented are 'definitions', 'adjectives and adverbs', and 'idiomatic expressions'.

**OTHER FORMAT(S) OR VERSION(S)**

19 min, s8mm cartridge, optical sd, col

Producer USBEH

Title No. 003441

Sale \$48.25

**\*SPEECH KIT - 1**

11 min, 16mm film, optical sd, col

Agency No. H-101-1

Producer USBEH

Sale \$48.50

Title No. 003442

Demonstrates 'tools' used by the teacher to teach tongue placement and manner of articulation in speech lessons. From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Speech Kit***\*SPEECH KIT - 2**

10 min, 16mm film, optical sd, col

Agency No. H-101-2

Producer USBEH

Sale \$43.00

Title No. 003443  
Demonstrates visual and tactile devices which aid in teaching air action during speech production. From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Speech Kit***\*SPEECH KIT - 3**

12 min, 16mm film, optical sd, col

Agency No. H-101-3

Producer USBEH

Sale \$52.50

Title No. 003694

Demonstrates materials which aid in teaching speech relative to voiced-voiceless-nasal distinction, tongue shape, lip shape, self-monitoring, cleanliness, stimulus and motivation materials. From the *TEACHING SPEECH TO THE PROFOUNDLY DEAF Series. Speech Kit***SPEECH READING**

28 min, 16mm film, optical sd, b&amp;w

1951

Producer USA

Agency No. TF08-1706

Title No. 705425

Sale \$48.75

Explains how persons with a hearing loss can learn, by careful interpretation of lip movements, to 'see' what people are

saying. Shows how vowel and consonant sounds are formed by the mouth.

#### SPEECH TECHNIQUES

11 min, 16mm film, optical sd, b&w 1956  
Producer USA Agency No. TF21-2306  
Title No. 705430 Sale \$21.75  
Discusses the importance of good speech techniques in military instruction, and illustrates techniques to be used--including looking at and talking directly to the audience, attention to one's diction, exercising care in the use of mannerisms, and speaking slowly enough to be understood.

#### SPEED DROP

5 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN02598B  
Title No. 003509 Sale \$11.25  
Demonstrates load equalizer is added to the governor to control speed, and how the power piston and speeder spring function.  
From the DIESEL ENGINE GOVERNORS-MARQUETTE GOVERNOR Series.

#### SPERT 1 - REACTOR SAFETY EXPERIMENTS

32 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 003713 O/PRINT  
Reports on reactor safety investigations involving use of the special power excursion reactor test (SPERT), a tank type, atmospheric-pressure, heterogeneous reactor. Explains that SPERT was designed primarily for the study of reactor kinetics and safety parameters in functionally similar reactors. Illustrates a number of intentionally induced power excursions.

#### SPLENOGRAPHY

9 min, 16mm film, optical sd, col 1961  
Producer USA Agency No. PMF 5343  
Title No. 003714 Sale \$31.00  
Demonstrates the X-ray technique use at Walter Reed Army Medical Center to study the condition of the splenic and portal veins for diagnostic purposes.

#### SPlicing A WOODEN SPAR

21 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 248  
Title No. 707140 Sale \$43.25  
Tells how to cut a scarf joint on a spar, finish a scarf face by hand, and glue and assemble a scarf joint. Tells how to make, glue, and assemble reinforcement plates and trim a spar to shape and size.  
From the AIRCRAFT WORK series. Aircraft Maintenance

#### SPLIT-PHASE MOTOR - REWINDING

28 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 394  
Title No. 707250 Sale \$48.75  
Shows how to test a split-phase motor for electrical and mechanical faults, dismantle and strip the stator, rewind the stator, form and install skein windings and insulate. Explains how to lace, dip and bake the stator, and how to assemble, lubricate and test motors.  
From the ELECTRICAL WORK series. Motor Maintenance And Repair, No. 3

#### SPLIT-PHASE MOTOR PRINCIPLES

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 386  
Title No. 000685 Rental \$7.50 Sale \$30.50  
Shows construction of stator and rotor, comparison of winding in two-phase stator with split-phase stator, effects of winding resistances and inductive reactances, and use of capacitor to produce phase displacement.  
From the ELECTRICAL WORK series. Electrical Machinery, No. 4

#### SPLIT-PHASE MOTOR PRINCIPLES (SPANISH)

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 386  
Title No. 003715 Rental \$7.50 Sale \$30.50  
Shows construction of stator and rotor, comparison of winding in two-phase stator with split-phase stator, effects of winding resistances and inductive reactances, and use of capacitor to produce phase displacement.  
From the ELECTRICAL WORK series. Electrical Machinery, No. 4

#### SPOROCYSTS AND CERCARIAE OF SCHISTOSOMA MANSONI

6 min, 16mm film, silent, b&w 1948  
Producer USNMAC Agency No. 04-00064  
Title No. 003716 Sale \$11.00  
A photomicrographic study of cercarial movements and characteristics.  
RECOMMENDED FOR PROFESSIONAL USE.

#### SPOT PREVENTION - MEASLES

14 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1263  
Title No. 003717 Sale \$48.50  
Humorously shows the chase and capture of the measles 'germ' and his 'conversion' to protective vaccine. Animated. For the purpose of promoting immunization against measles in children.

#### SPOT PREVENTION - MEASLES (SPANISH)

14 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1263  
Title No. 006443 Sale \$48.50  
Humorously shows the chase and capture of the measles 'germ' and his 'conversion' to protective vaccine. Animated. For the purpose of promoting immunization against measles in children.

#### SPOT WELDING

20 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 295  
Title No. 707850 Rental \$7.50 Sale \$35.25  
Shows how to spot weld parts of an access cover, set up the machine, remove and install electrodes, set pressure, current and time controls, test the setup and clean the electrode tips.  
From the AIRCRAFT WORK series. Assembling and Riveting, No. 9

#### SPOTLIGHT ON RECOVERY

15 min, 16mm film, optical sd, col 1964  
Producer USFAA Agency No. FA-0603  
Title No. 003718 Sale \$53.50  
Reveals the speed with which FAA facilities in Alaska returned to normal operations following the 1964 earthquake. Recovery methods used by FAA have been lauded by the Office of Civil Defense and can be applied in a number of other emergency situations.

#### SPRAYING EQUIPMENT AND PROCEDURES, PT 1, RESIDUAL SPRAYING

9 min, 16mm film, optical sd, col 1951  
Producer USNMAC Agency No. 04-091  
Title No. 002414 Sale \$31.00  
Explains the meaning of residual spraying for fly control, the necessity for this type of spraying, and the methods of using hand and power spraying equipment.

#### SPRAYING EQUIPMENT AND PROCEDURES, PT 1, RESIDUAL SPRAYING (FRENCH)

7 min, 16mm film, optical sd, col 1950  
Producer USNMAC Agency No. M-1139 FR  
Title No. 001278 Sale \$31.00  
Explains the meaning of residual spraying for fly control, the necessity for this type of spraying, and the methods for using hand and power spraying equipment.

<b>SPRINGBOARD TO SPACE - THE ARNOLD CENTER STORY</b>			
15 min, 16mm film, optical sd, col	1963	Agency No. SFP 1167	
Producer USAF		Rental \$10.00	Sale \$51.75
Title No. 003722			
Reveals the complexities of the Arnold Center where man seeks to understand and to resolve problems of space flight.			
<b>SPUR DIKES</b>			
14 min, 16mm film, optical sd, col	1965		
Producer USFHWA			
Title No. 708910	Rental \$10.00	Sale \$48.50	
Shows the theory, laboratory research, and the practical application of spur dikes to control scour at bridge abutments in flood conditions, resulting from the work of public roads and several states to establish a standard method of reducing damage and cost of maintenance at bridge locations.			
<b>SPUTUM COLLECTION AND HANDLING</b>			
7 min, 16mm film, optical sd, col	1966		
Producer USNMAC	Agency No. M-1019		
Title No. 003723		Rental \$22.75	
Treats subject of proper collection and handling of sputum. Collection methods include produced cough and gastric lavage. Handling introduces newly designed collection tube with built-in safety factor designed to prevent contamination of technical personnel.			
<b>SPUTUM DIGESTION AND DECONTAMINATION WITH N-ACETY-L-CYSTEINE NOA:1</b>			
6 min, 16mm film, optical sd, col	1966		
Producer USNMAC	Agency No. M-0771		
Title No. 708920		Rental \$19.50	
Demonstrates a method for digesting and decontamination of sputum suspected of containing tubercle bacilli. The entire procedure is carried on under a safety hood, greatly reducing hazards to the technologist.			
<b>SQUEEZE RIVETING - STATIONARY AND PORTABLE RIVETERS</b>			
15 min, 16mm film, optical sd, b&w	1945		
Producer USOE	Agency No. OE 293		
Title No. 709075	Rental \$7.50	Sale \$27.00	
Shows how to select correct rivet sets for stationary and portable squeezers, set up and use the stationary squeezer and the portable squeezer.			
From the AIRCRAFT WORK series. Assembling and Riveting, No. 7			
<b>SQUIRREL-CAGE ROTOR PRINCIPLES</b>			
10 min, 16mm film, optical sd, b&w	1945		
Producer USOE	Agency No. OE 385		
Title No. 709150	Rental \$5.00	Sale \$17.50	
Describes the laws of magnetism and induced EMF, explains electron flow in squirrel-cage rotor setting up magnetic poles which create torque. Shows the construction of squirrel-cage rotors.			
From the ELECTRICAL WORK series. Electrical Machinery, No. 3			
<b>*ST MARY'S BRIDGE TEST</b>			
9 min, 16mm film, optical sd, col	1970		
Producer USFHWA			
Title No. 002202	Rental \$7.50	Sale \$37.25	
Describes the vibration frequency and live load tests conducted on the St. Mary's Bridge, located at St. Mary's, West Virginia, which is a sister Bridge to the Point Pleasant Bridge, which collapsed in December 1967.			
<b>STABLE AND SAFE</b>			
20 min, 16mm film, optical sd, col	1969		
Producer USFAA	Agency No. FA-0704		
Title No. 003724		Rental \$68.25	
Reveals what frequently happens when pilots inadvertently fly into marginal or IFR weather and lose their visual reference, becoming dangerously disoriented. Describes the different types of stability augmentation systems available for use in general aviation aircraft to assist pilots in maintaining control.			

\* INDICATES NEW ENTRY

<b>STAGES OF INSTRUCTION, THE - APPLICATION, EXAMINATION, AND REVIEW OR CRITIQUE</b>			
20 min, 16mm film, optical sd, b&w	1956		
Producer USA	Agency No. TF21-2304		
Title No. 709775		Rental \$35.25	
Explains the importance of learning by doing, of giving examinations to improve learning and to measure the effectiveness of teaching, and of reviewing the main points of instruction in order to clear up any confusion which may exist in the student's mind.			
<b>STAGES OF INSTRUCTION, THE - PREPARATION</b>			
12 min, 16mm film, optical sd, b&w	1956		
Producer USA	Agency No. TF21-2302		
Title No. 003725		Rental \$22.25	
Discusses the importance of estimating the instructional situation, selecting and organizing teaching materials, checking on the availability of training aids, preparing a lesson plan, rehearsing the lesson, and checking all arrangements to insure no slip up in the classroom.			
<b>STAGES OF INSTRUCTION, THE - PRESENTATION</b>			
12 min, 16mm film, optical sd, b&w	1956		
Producer USA	Agency No. TF21-2303		
Title No. 709779		Rental \$22.25	
Explains the elements of presentation in military instruction - introduction, explanation, and summary and the lecture, conference and demonstration methods of explanation.			
<b>STAINING BLOOD FILMS FOR DETECTION OF MALARIA PARASITES</b>			
8 min, 16mm film, optical sd, col	1967		
Producer USNMAC	Agency No. M-1432		
Title No. 003726		Rental \$27.75	
Shows steps in staining blood with giemsa stain to demonstrate maximum detail of blood parasites. Shows good and poor preparations and discusses errors.			
<b>STALEMATE IN KOREA</b>			
19 min, 16mm film, optical sd, b&w	1951		
Producer USODD	Agency No. CB 113		
Title No. 709785		Rental \$33.75	
Shows military operations in Korea from July 20 to August 20, 1951.			
<b>*STAMP OUT HOG CHOLERA</b>			
22 min, 16mm film, optical sd, col	1963		
Producer USDA	Agency No. 2018		
Title No. 003998		Rental \$98.00	
Shows the impact of this disease on a modern-day hog producer who gambled with hog cholera--and lost. It tells farmers what needs to be done to eradicate hog cholera, and how and why it should be done. Depicts the State-Federal Cooperative Program to eradicate this costly swine disease.			
<b>*STAMP OUT HOG CHOLERA (SPANISH)</b>			
22 min, 16mm film, optical sd, col	1963		
Producer USDA	Agency No. 2018-S		
Title No. 003999		Rental \$98.00	
Shows the impact of this disease on a modern-day hog producer who gambled with hog cholera--and lost. It tells farmers what needs to be done to eradicate hog cholera, and how and why it should be done. Depicts the State-federal Cooperative Program to eradicate this costly swine disease.			
<b>*STAMPS - A NATION'S CALLING CARDS</b>			
19 min, 16mm film, optical sd, col	1970		
Producer USPO			
Title No. 710060		Rental \$78.00	
Presents significant historical postage stamps produced for Americans to use, as well as the craftsmanship of the artist and engraver in a printing process to produce philatelic miniature masterpieces.			
<b>STANDARDIZATION</b>			
19 min, 16mm film, optical sd, b&w	1955		
Producer USN	Agency No. MN08084		
Title No. 710245		Rental \$33.75	
Explains the basic concepts and benefits of standards and the standardization process. Sets forth broad principles for			

an effective approach to standardization problems, whether local or international in scope.

#### STANDARDIZATION - ENGINEERING PLANNING

14 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. FN08084B  
Title No. 710248 Sale \$48.50  
Shows an analysis of the type of engineering and technical work which is necessary on a planned basis to achieve standardization objectives in large and complicated technical areas.

#### STAPHYLOCOCCAL INFECTION

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1813-X  
Title No. 003728 Sale \$80.25  
Discusses three problems of staphylococcal infection-pneumonia, endocarditis, and furunculosis.

#### STAR IDENTIFICATION

16 min, 16mm film, optical sd, b&w 1943  
Producer USN Agency No. MN00083F  
Title No. 003727 Sale \$28.50  
Explains briefly the apparent movement of the stars across the sky. Locates and identifies 23 basic navigation stars, including-Duthe, Polaris, Arcturus, Spica, Regulus, Vega, Betelgeuse, Sirius, and several important constellations.  
From the NAVIGATION series.

#### \*START OF SOMETHING SPECIAL, THE

12 min, 16mm film, optical sd, col 1972  
Producer USN Agency No. MN-11185  
Title No. 003093 Sale \$50.50  
Explains the academic nature and benefits of the Naval Junior Officer Training Program as a elective science in secondary schools.

#### STATISTICAL DESIGN OF EXPERIMENTS, THE

20 min, 16mm film, optical sd, col 1960  
Producer USN Agency No. FN08874  
Title No. 003729 Sale \$68.25  
Explains the fundamental concepts of modern statistical design of scientific experiment.

#### \*STATISTICAL QUALITY CONTROL - PROCESS CONTROL

12 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN 6621-A  
Title No. 003122 Sale \$26.75  
Shows statistical methods involved in process control as a means of obtaining for the government a better product at a lower price.  
THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### STATISTICAL SAMPLING - A MANAGEMENT TOOL

26 min, 16mm film, optical sd, col 1968  
Producer USFSS  
Title No. 003730 Sale \$105.75  
Endeavors to bring about an understanding, acceptance, and use of statistical sampling as a management tool. Planned for initial use with GSA warehouse management and supervisory personnel, it is beneficial to any personnel with similar responsibilities.

#### STEEL RULE

14 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 001  
Title No. 712450 Rental \$7.50 Sale \$25.50  
Discusses the variations found in steel rules, the types of scales found on them and their proper usage, and the procedure for transferring measurements by means of calipers and dividers.  
From the MACHINE SHOP WORK series.

#### STEEL RULE (SPANISH)

14 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 001  
Title No. 003500 Rental \$7.50 Sale \$25.50  
Discusses the variations found in steel rules, the types of

scales found on them and their proper usage, and the procedure for transferring measurements by means of calipers and dividers.

From the MACHINE SHOP WORK series.

#### STEEL TOWN

17 min, 16mm film, optical sd, b&w 1944  
Producer USOWIO Agency No. OE 484  
Title No. 003731 Rental \$7.50 Sale \$36.75  
Shows the steel mills, blast furnaces, and lives of the steel workers in Youngstown, Ohio.  
From the AMERICAN SCENE series. No. 4

#### STEERING, WHEELS, FRONT AND REAR AXLES

19 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 484  
Title No. 212560 Rental \$7.50 Sale \$33.75  
Discusses how to check for play in the steering wheel and the front end assembly, correct wheel runout, make a toe-in test and test springs, axles and over all backlash.

#### \*STEM RUST

14 min, 16mm film, optical sd, col 1950  
Producer USDA Agency No. 1035-R  
Title No. 004000 Sale \$64.00  
This is the story of stem rust, a fungus disease that destroys wheat, oats, barley, and rye, and its control. It shows how barberry bushes spread the disease to grain crops, the importance of these crops and dependent industries in the Nation's economy, the nature of the disease and how it damages the grain.

#### \*STEP ASIDE, STEP DOWN

20 min, 16mm film, optical sd, col 1971  
Producer USSRS  
Title No. 002200 Sale \$80.00  
Reports on the problems of aging in America such as income, housing, nutrition and transportation. Shows successful private and government programs aimed at solving them.

#### STEP IN THE RIGHT DIRECTION, A

13 min, 16mm film, optical sd, col 1970  
Producer USSBA  
Title No. 712725 Rental \$10.00 Sale \$45.25  
Dramatizes importance of merchandise control in retail stores and illustrates some control procedures and techniques.

#### STEPS TO RECOVERY - REHABILITATION OF THE PATIENT WITH PULMONARY TUBERCULOSIS

30 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF08-3057  
Title No. 003752 Sale \$52.00  
Depicts the medical treatment and rehabilitation of tubercular patients as viewed through the eyes of two military patients hospitalized at Fitzsimons Army Hospital, Denver. Shows one patient who does not require surgery, from the time of his admittance through the treatment during the communicable stage, and pictures the second patient who is required to undergo surgery, highlighting preoperative physical therapy and post-surgical care.

#### STILLWELL ROAD, THE

51 min, 16mm film, optical sd, b&w 1945  
Producer USA Agency No. CR 003  
Title No. 713275 Sale \$89.25  
Documents the construction of a supply road through the mountains and jungles of Burma in World War II.

#### STOP RUBELLA

14 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. M-1749  
Title No. 003733 Sale \$58.25  
Stresses the need for parents to get their children inoculated against rubella. Shows rubella damaged children, development of vaccine, inoculation of children, and an interview with DR Bruce Dull of the National Communicable Disease Center. Opening and closing narration by Diahann Carroll, Lloyd Noland, and Marc Copage, of the 'Julia' television show.

\* INDICATES NEW ENTRY

**STOREFRONT**

40 min, 16mm film, optical sd, b&w  
Producer USOE  
Title No. 713725 Sale \$62.00  
Documents the training and role of non-professional aides in a neighborhood storefront center. Shot in South Bronx, New York the film shows the anger and frustrations of ghetto life.

**STORY OF GOODWILL, A**

19 min, 16mm film, optical sd, b&w 1952  
Producer USA  
Title No. 003734 Rental \$7.50 Sale \$40.50  
Portrays four students at International House, New York. Korean, Japanese, Chinese and Philippine--discussing the assistance given their countries by the United States.

**STORY OF ROCKY MOUNTAIN SPOTTED FEVER, THE**

29 min, 16mm film, optical sd, col 1969  
Producer USNMAC Agency No. M-1715-X  
Title No. 003578 Sale \$117.50  
Shows the tick life-cycle, rodent poisoning, cattle dipping and tick parasite, and liberation. Demonstrates the discovery of the yolk SAC vaccine and the advent of the therapeutic antibiotics. Shows epidemiologic studies undertaken, diagnostic services rendered to physicians, and recommendations for protection of exposed people.

**STORY OF THE BLACK CATS, THE**

19 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN04208B  
Title No. 718670 Sale: W/DRAWN  
Shows how a PBY squadron in the Southwest Pacific goes out on a night mission to destroy a Japanese convoy.

**STORY OF THE GREAT LAKES**

25 min, 16mm film, optical sd, b&w 1954  
Producer USCG  
Title No. 718990 Sale \$52.50  
Depicts the overall economic significance of the Great Lakes and the important role played by the Coast Guard thereon. A cycle of one full year is covered.

**\*STORY-TELLING**

17 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000353 Sale \$68.00  
The film demonstrates, through the illustration of 'jack in the beanstalk', how story telling can be used as an effective teaching aid in speech and language development of the hearing impaired.

**OTHER FORMAT(S) or VERSION(S)**

17 min, s8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003695 Sale \$44.00

**STOWAWAY, PT 1, DISEASE AND PERSONAL HYGIENE**

17 min, 16mm film, optical sd, b&w 1948  
Producer USA Agency No. TF08-1501  
Title No. 003579 Sale \$30.50  
Depicts obvious and obscure ways in which disease is spread by food-handling personnel.

**STOWAWAY, PT 2, GALLEY SANITATION**

17 min, 16mm film, optical sd, b&w 1948  
Producer USA Agency No. TF08-1502  
Title No. 003580 Sale \$42.25  
Shows sanitary measures for use in all food service organizations to prevent spread of disease.

**STRADDLE AND SURFACE MILLING TO CLOSE TOLERANCES**

27 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 013  
Title No. 720550 Rental \$10.00 Sale \$47.00  
Demonstrates how to make surface and straddle-milling cutter setups. Shows how to surface-mill four sides of a workpiece and to machine a workpiece to a t-shape by straddle-milling.  
From the MACHINE SHOP WORK series. Operations on the Milling Machine, No. 2

**STRADDLE MILLING**

17 min, 16mm film, optical sd, b&w 1941  
Producer USOE Agency No. OE 014  
Title No. 720650 Rental \$7.50 Sale \$30.50  
Shows how to use an indexing fixture for production milling operations, space cutters on an arbor for straddle milling, and mill parallel bosses on connecting rods.  
From the MACHINE SHOP WORK series. Operations on the Milling Machine, No. 3

**STRAPS AND TRANSPORTATION BRIDLES**

15 min, 16mm film, optical sd, b&w 1949  
Producer USA Agency No. TF55-1118  
Title No. 721125 Sale \$27.00  
Shows how to attach straps and bridles to various types of draughts, handle in vertical position, and use dunnage properly.

**STRATEGIC AIR COMMAND COMBAT MISSILE FORCE**

15 min, 16mm film, optical sd, col 1963  
Producer USAF Agency No. SFP 1200  
Title No. 003581 Sale \$51.75  
Presents a tour of an Atlas and a Titan underground launch site. Shows support equipment, powerhouse, control center, missile crews, and command post at the Atlas facilities. Points out the tight security measures and controls over accidental firing. Shows support antenna silos, crew facilities, and wing command post at the Titan site. Simulates an enemy attack to demonstrate instant retaliation potential of our combat missile force.  
Cleared for TV.

**\*STRATEGIC ATTACK**

50 min, 16mm film, optical sd, col 1951  
Producer USAF Agency No. TF1-4613  
Title No. 002927 Rental \$17.00  
Shows the strategic bombing of Japan, the building of strategic weapons, and results of strategic bombing.  
Cleared for TV.

**STREPTOCOCCAL INFECTIONS**

40 min, 16mm film, optical sd, b&w 1963  
Producer USNMAC Agency No. T-1839-X  
Title No. 003582 Sale \$80.25  
Discusses grouping and typing of streptococci. Explains small, mail-in culture kits that make rapid and accurate culture facilities available to all physicians.

**STREPTOMYCIN**

10 min, 16mm film, optical sd, b&w 1950  
Producer USA  
Title No. 003776 Rental \$5.00 Sale \$21.00  
Reviews the events and work that led to the discovery of the drug, streptomycin, by DR Waxman at Rutgers University.

**STRETCHING AND MOBILIZATION FOR THE PARKINSON PATIENT**

7 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1444  
Title No. 003583 Sale \$24.50  
Presents a demonstration of stretching and mobilization techniques for use with Parkinson patients. For physical therapist.

**\*STRIDER...A FILM**

29 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN11004  
Title No. 721820 Sale \$115.50  
Depicts campus life and classroom scenes of NROTC midshipmen. describes the advantages of the NROTC college scholarship program which leads to a degree as well as a career as a Naval or Marine corps officer.

**STROKE PATIENT, THE, PT 1, GROSS PROGNOSTIC EVALUATION**

30 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1829-X  
Title No. 003584 Sale \$60.50  
Demonstrates evaluation of four patients for strength, range of motion, coordination, spasticity, and sensory deficit in

\* INDICATES NEW ENTRY

upper and lower extremities. Emphasizes potentialities of the stroke patient.

#### STROKE PATIENT, THE, PT 2, DETAILED FUNCTIONAL EVALUATION

30 min, 16mm film, optical sd, b&w 1968  
Producer USNMAC Agency No. T-1830-X  
Title No. 003585 Sale \$60.50  
Details functional evaluation of the patient with assessment of daily living activities.

#### STUDENT ENGINEER

10 min, 16mm film, optical sd, b&w 1963  
Producer USIA Agency No. 01-02576  
Title No. 004679 Sale: W/DRAWN  
Tells of a young engineering major at a mid-western university who attends academic programs in the mornings and a co-operative industry training program in the afternoons.

#### STUDENT TEACHER

9 min, 16mm film, optical sd, b&w 1964  
Producer USIA Agency No. 01-02578  
Title No. 004556 Rental W/DRAWN Sale: W/DRAWN  
Tells of a young education major at the University of Wisconsin as he nears graduation. Visualizes his growth in self-confidence as a teacher. Offers an insight into the way a student must perform as a teacher while still a student.

#### STUDIES IN BACTERIOLOGY, - PT 2, MOTILITY

4 min, 16mm film, silent, b&w 1953  
Producer USNMAC Agency No. M-0130-B  
Title No. 003586 Sale \$7.75  
Shows by cineradiography and explains by captions the motility of monotrichous, amphitrichous, and peritrichous bacteria. User should supplement film with current data. Credits--based on photograph done in 1930-31 by R. P. Loveland of Eastman Kodak Co. Research laboratories.

#### STUDIES IN BACTERIOLOGY, PT 3, CELL DIVISION

4 min, 16mm film, silent, b&w 1953  
Producer USNMAC Agency No. M-0130-C  
Title No. 003587 Sale \$7.75  
Shows by cineradiography and explains by captions the process of cell division of spherical and rod shaped bacteria. User should supplement film with current data.

#### \*STUFF WE THROW AWAY, THE

23 min, 16mm film, optical sd, col 1970  
Producer USEPA  
Title No. 002201 Sale \$93.75  
Describes the massive problem of collecting and disposing of America's solid wastes. Illustrates a variety of new and improved techniques that are being investigated and demonstrated under provisions of the Solid Waste Disposal Act.

#### \*SUBCORNEAL PUSTULAR DERMATOSIS

7 min, 16mm film, optical sd, col 1962  
Producer ILDS Agency No. AFIP-64  
Title No. 004680 Rental W/DRAWN Sale: W/DRAWN  
Demonstrates the disease in two characteristic cases. Shows clinical features, histopathological findings, and responses to therapy with DDS and systemic steroids.

#### SUBMANDIBULAR TRIANGLE

14 min, 16mm film, optical sd, col 1959  
Producer USVA Agency No. D-62A  
Title No. 003588 Sale \$46.25  
Demonstrates by dissection and illustrative drawings the boundaries and the structures of the submandibular triangle.

#### SUBMARINE, PT 2, CONSTRUCTION, THE

29 min, 16mm film, optical sd, b&w 1953  
Producer USN Agency No. FN08024B  
Title No. 003589 Sale \$50.25  
Describes the construction of the modern submarine, including-the pressure hull, tanks, and superstructure and each of the basic systems of the submarine.

#### SUBMARINE, PT 3, DRIVING AND SURFACING, THE

12 min, 16mm film, optical sd, b&w 1955  
Producer USN Agency No. MN08024C  
Title No. 003590 Sale \$22.25  
Discusses methods used by a submarine in submerging, and explains positive, negative, and natural buoyancy. Presents an evaluation of surfacing.

#### SUBLMENTAL TRIANGLE, THE

8 min, 16mm film, optical sd, col 1957  
Producer USVA Agency No. D-51A  
Title No. 003591 Sale \$28.75  
The boundaries in this relationship of the submental triangle are demonstrated in this dissection. Drawings are also used for clarification.

#### SUCKING WOUNDS OF THE CHEST

12 min, 16mm film, optical sd, col 1953  
Producer USN Agency No. MN07477  
Title No. 003592 Sale \$42.00  
Five important steps in prompt and proper treatment for a sucking chest wound are demonstrated by means of a simulated casualty on the battlefield.

#### SUCTION BIOPSY OF THE GASTROINTESTINAL MUCOSA

16 min, 16mm film, optical sd, col 1967  
Producer USNMAC Agency No. M-1564-X  
Title No. 003593 Sale \$55.00  
Shows how suction biopsy tubes are passed under fluoroscopic control. Techniques for passing the pylorus will be illustrated as well as the necessity for taking small bowel biopsies near the duodeno-jejunal junction. The use of the suction biopsy tube in the esophagus, stomach, and rectum will be briefly illustrated. The most important feature of the film is the detail of handling the biopsy to minimize trauma and to assure perfect orientation. If the biopsies are not handled atraumatically, and if they are not perfectly oriented, then subsequent processing of interpretable biopsies will be impossible.

#### SUDDEN NATURAL DEATH

25 min, 16mm film, optical sd, b&w 1970  
Producer USNMAC Agency No. T-1776  
Title No. 003594 Sale \$52.50  
DR Helpern discusses aspects of sudden natural death, the most common cause being occlusive coronary artery disease. This program includes discussion and visual material concerning the evidence of organic disease in the body of the deceased, trauma and sudden natural deaths, and the relationships and contributing factors inherent in this peculiar problem. (Kinescope)

#### SUICIDE PREVENTION IN HOSPITALS

30 min, 16mm film, optical sd, b&w 1968  
Producer USVA  
Title No. 003595 Sale \$52.00  
Shows how hospital personnel can anticipate and prevent suicide attempts. Based on 12 years of research by the VA's unit for the study of unpredicted death.

#### SUITED FOR SPACE

28 min, 16mm film, optical sd, b&w 1966  
Producer USNASA Agency No. HQK-SR5  
Title No. 003596 Sale \$53.75  
Presents the history of space suits from mercury through Apollo to future concepts. Also included is a close-up look at the portable life support system an astronaut will wear on the surface of the Moon.

#### SUMMER MOVEMENTS IN THE ARCTIC

15 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. FB55-0232  
Title No. 003597 Sale \$32.50  
Describes terrain features of arctic and subarctic regions--the difficulties of moving men and supplies, and problems of camping and survival. (Formerly fb20-0232)

\* INDICATES NEW ENTRY

**SUPERCHARGING AND FUEL INJECTION**

20 min, 16mm film, optical sd, b&w 1956  
**Producer USA** Agency No. TF09-2240  
**Title No. 003598** Sale \$35.25  
 Discusses the supercharging and fuel injection systems used on Army vehicles to provide increased horsepower for engines without increasing the size of the engine and covers their purpose, components, and functions.

**SUPersonic THUNDERBIRDS**

14 min, 16mm film, optical sd, col 1959  
**Producer USAF** Agency No. SFP 0637  
**Title No. 727150** Sale \$48.50  
 Portrays the famous jet aerobats in their homes and in super sabres as they fly through breath-taking maneuvers, including a power climb, the graceful cloverleaf turn, an intricate loop with wing tips overlapping, a tight 360 degrees turn that builds up terrific G forces, and the spectacular 'bomb burst.'

**SUPERVISING WOMEN WORKERS**

11 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 158  
**Title No. 003599** Rental \$5.00 Sale \$19.25  
 Shows a plant manager advising a foreman to remember that women workers haven't the same industrial experience as men and very often have more home responsibilities, and to take these facts into account in his supervision.  
 From the PROBLEMS IN SUPERVISION series.

**SUPERVISING WORKERS ON THE JOB**

10 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 157  
**Title No. 003600** Rental \$5.00 Sale \$17.50  
 Dramatizes incidents illustrating good and poor methods of supervision, including the necessity for obtaining the confidence of workers and the dangers of 'snoopservising'.  
 From the PROBLEMS IN SUPERVISION series.

**SUPERVISING WORKERS ON THE JOB (SPANISH)**

10 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 157  
**Title No. 003601** Rental \$5.00 Sale \$17.50  
 Dramatizes incidents illustrating good and poor methods of supervision, including the necessity for obtaining the confidence of workers and the dangers of 'snoopservising'.  
 From the PROBLEMS IN SUPERVISION series.

**SUPERVISOR AS A LEADER, THE, PT 1**

14 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 168  
**Title No. 003602** Rental \$7.50 Sale \$25.50  
 Shows four dramatized episodes illustrating poor supervisory practices and the importance of the following rules--always keep promises, and never take credit for someone else's work, don't pass the buck, and don't play favorites.  
 From the PROBLEMS IN SUPERVISION series.

**SUPERVISOR AS A LEADER, THE, PT 2**

13 min, 16mm film, optical sd, b&w 1944  
**Producer USOE** Agency No. OE 169  
**Title No. 003603** Rental \$7.50 Sale \$23.75  
 Shows four dramatized instances of poor supervision leading to the following generalizations--be a leader not an authoritarian, show appreciation for a job well done, do not become angry, and protect the rights and feelings of workers.  
 From the PROBLEMS IN SUPERVISION series.

**\*SUPERVISORY TRAINING - A SERIES**

46 min, 16mm film, optical sd, col 1969  
**Producer USBM**  
**Title No. 003531** Sale \$190.50  
 Motivates metal mine supervisory personnel to stress safety in all facets of the mining process.

**MAN AND HIS HABITS****MAN'S SHORTCOMINGS****SAFETY CONSCIOUSNESS****MOTIVATION - A MEANS TO ACCIDENT PREVENTION**PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF,  
OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR.

MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4807 FORKED RIVER AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

**SUPPLY MANAGER'S DILEMMA, THE**

19 min, 16mm film, optical sd, col 1960  
**Producer USN** Agency No. MN09460  
**Title No. 727400** Sale \$65.00  
 Describes the influence of order costs, holding costs, shortages, and other factors in determining supply management policies.

**SURFACE SAMPLING FOR MICROORGANISMS (RODAC METHOD)**

8 min, 16mm film, optical sd, col 1965  
**Producer USNMAC** Agency No. M-0924  
**Title No. 003604** Sale \$27.75  
 Teaches the proper techniques and procedures of surface sampling for bacteria in hospitals using the rodac plate. Content--(1) reasons for surface sampling, (2) preparation of the agar sampling plates, (3) description of the random and geometric grid sampling methods, (4) counting and reporting of colonies.

**SURFACE SAMPLING FOR MICROORGANISMS (SWAB METHOD)**

5 min, 16mm film, optical sd, col 1965  
**Producer USNMAC** Agency No. M-1325  
**Title No. 003605** Sale \$18.00  
 Shows the proper techniques and procedures of surface sampling for bacteria in hospitals, using the swab method and template. Content--(1) reasons for surface sampling, (2) techniques of sampling on flat and irregular surfaces (processing of swabs and rinse liquids, and (4) counting of microbial colonies, and interpretation of results.

**SURGICAL APPROACHES TO THE ANKLE JOINT**

32 min, 16mm film, optical sd, col 1952  
**Producer USVA**  
**Title No. 003607** Sale \$107.50  
 Explains by animated diagrams the anatomy of the dorsolateral and medial aspects of the ankle joint. Shows operations employing approaches to the dorsal, lateral, medial, and posterior aspects of the joint and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE BONES OF THE FOOT**

32 min, 16mm film, optical sd, col 1952  
**Producer USVA**  
**Title No. 003608** Sale \$107.50  
 Explains by animated diagrams the dorsolateral and medial aspects of the foot - shows operations employing approaches to the dorsal, dorsolateral, and plantar aspects - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE BONES OF THE WRIST**

34 min, 16mm film, optical sd, col 1952  
**Producer USVA**  
**Title No. 003609** Sale \$114.25  
 Explains by animated diagrams the anatomy of the volar, dorsal, and ulnar aspects of the wrist - shows operations employing approaches to the volar, radiovolar, ulnar, and dorsal aspects - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE ELBOW JOINT**

39 min, 16mm film, optical sd, col 1950  
**Producer USVA**  
**Title No. 003610** Sale \$130.50  
 Explains by animated diagrams the anatomy of the anterior and posterior aspects of the elbow joint shows operations employing approaches to the anterolateral, lateral, medial, and posterior aspects of the joint - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE HIP JOINT**

36 min, 16mm film, optical sd, col 1951

Producer USVA

Title No. 003611

Sale \$120.75

Explains by animated diagrams the anatomy of the anterior and posterior aspects of the hip joint shows operations employing approaches to the anterolateral, straight lateral, and posterolateral aspects of the joint - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE KNEE JOINT**

37 min, 16mm film, optical sd, col 1951

Producer USVA

Title No. 003612

Sale \$124.00

Explains by animated diagrams the anterior and posterior aspects of the knee joint - shows operations employing approaches to the anterior and posterior aspects and to the medial and lateral semilunar cartilages - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE SCAPULOHUMERAL JOINT**

36 min, 16mm film, optical sd, col 1949

Producer USVA

Title No. 003613

Sale \$120.75

Explains by animated diagrams the anatomy of the scapulo-humeral joint - shows operations utilizing anterior, posterior, and muscle-splitting incisions - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE SPINE AND SACROILIAC**

28 min, 16mm film, optical sd, col 1952

Producer USVA

Title No. 003614

Sale \$94.50

Explains by animated diagrams the anatomy of the posterior aspect of the sacroiliac and the anterior and posterior aspects of the region of the spine with emphasis upon the lumbar area - shows operations involving the sacroiliac and the retroperitoneal space - and recapitulates each operation in animation.

**SURGICAL APPROACHES TO THE STERNOCLAVICULAR AND ACRONIACLAVICULAR JOINTS**

17 min, 16mm film, optical sd, col 1952

Producer USVA

Title No. 003615

Sale \$58.50

Explains by animated diagrams the anatomy of the anterior aspect of the sternoclavicular and acromioclavicular joints - shows operations approaching each joint - and recapitulates each operation in animation.

**SURGICAL ENDODONTICS**

15 min, 16mm film, optical sd, col 1964

Producer USVA

Title No. 003606

Agency No. D-13-E

Sale \$51.00

The process of periapical inflammatory reaction is explained. Demonstrates two surgical corrective procedures--curettage and root resection.

**SURGICAL IMPLANT OF THE LOST MANDIBULAR CONDYLE WITH A STAINLESS STEEL MESH - ...**

8 min, 16mm film, optical sd, col 1970

Producer USVA

Title No. 728204

Agency No. D-122

Sale \$32.50

**FULL TITLE - SURGICAL IMPLANT OF THE LOST MANDIBULAR CONDYLE WITH A STAINLESS STEEL MESH - ACRYLIC PROTHESIS.** Points out that failure to reduce and immobilize the fractured mandibular condyle frequently results in poor articulation of the teeth, open bite, or inability to open the mouth. Shows the use of a prosthetic implant for correction of these complications.

**SURGICAL REDUCTION OF THE MAXILLARY TUBEROSEITY**

13 min, 16mm film, optical sd, col 1968

Producer USVA

Title No. 003616

Agency No. D-55S

Sale \$44.75

Reduction of the maxillary tuberosity is considered by some prosthodontists as a neglected factor in the construction of dentures. Adequate space to accommodate dentures is not always present in the tuberosity area. Frequently only the occlusal aspect is reduced when correcting this problem.

whereas the critical posterio-lateral aspect is neglected. A recommended surgical procedure is demonstrated in a number of cases.

**SURGICAL REMOVAL OF IMPACTED MANDIBULAR THIRD MOLAR**

6 min, 16mm film, optical sd, col 1968

Producer USVA

Title No. 003617

Agency No. D-72S

Sale \$22.25

An accepted technique for the surgical removal of a mesio-angular impacted mandibular third molar is demonstrated. Controlled sectioning of the tooth utilizing a bur and elevator is shown.

**SURGICAL REMOVAL OF IMPACTED MAXILLARY THIRD MOLAR**

5 min, 16mm film, optical sd, col 1968

Producer USVA

Title No. 003777

Agency No. D-70S

Sale \$23.50

Clinical demonstration of the surgical removal of a disto-angular maxillary third molar impaction is presented in this film.

**SURGICAL REPLACEMENT OF THE MANDIBLE WITH STAINLESS STEEL MESH**

16 min, 16mm film, optical sd, col 1970

Producer USVA

Title No. 728428

Agency No. D-128

Sale \$61.00

Demonstrates the use of cast stainless steel mesh to replace segments of the mandible which are frequently lost in intra-oral surgery.

**SURGICAL TREATMENT FOR ANKYLOSIS OF THE TEMPO-ROMANDIBULAR JOINT**

10 min, 16mm film, optical sd, col 1969

Producer USVA

Title No. 003618

Agency No. D-107

Sale \$41.00

Demonstrates a surgical corrective procedure using a tycnium prosthesis constructed to the measurements of the English penny.

**\*SURGICAL TREATMENT OF BENIGN ACANTHOMAS NIGRICANS**

16 min, 16mm film, optical sd, col

Producer IDCE

Title No. 004681

Rental: W/DRAWN Sale: W/DRAWN

**SURVEY OF REFUSE DISPOSAL METHODS, A**

10 min, 16mm film, optical sd, col 1959

Producer USNMAC

Agency No. M-0328

Title No. 728610

Sale \$34.00

A filmograph which demonstrates the advantages and disadvantages of methods of refuse disposal-ranging from open dumps, dumping in ocean and rivers, and back-yard burning to scientifically engineered metropolitan incineration and sanitary landfills.

**SURVIVAL STRESSES**

30 min, 16mm film, optical sd, col 1961

Producer USAF

Agency No. TF01-5375

Title No. 728735

Sale \$101.00

Discusses major physiological and psychological stresses that may be encountered by persons facing a survival situation in the arctic, on the desert, in the tropics and on water. Describes methods of detecting, understanding and combating such stresses as hunger, thirst, cold, fatigue, fear and how to recognize and avoid dehydration.

**SUSPECTS AND WITNESSES, PT 4, USE OF THE POLYGRAPH IN INVESTIGATIONS**

26 min, 16mm film, optical sd, b&amp;w 1967

Producer USA

Agency No. TF19-3559

Title No. 003619

Sale \$54.50

Presents pre-test interview with suspect, test examination procedure, analysis of polygraph indications, and post-test interrogation of suspect.

**RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.**

\* INDICATES NEW ENTRY

**SVEA-NEWPORT INCIDENT, THE**

3 min, 16mm film, optical sd, b&w 1943  
 Producer USN Agency No. MN00202T  
 Title No. 003620 Sale \$6.25  
 Shows by animation the collision of the SVEA and the Newport, and the causes therefor.

**SWAGING CABLE TERMINALS**

12 min, 16mm film, optical sd, b&w 1944  
 Producer USOE Agency No. OE 298  
 Title No. 003621 Rental \$7.50 Sale \$22.50  
 Tells how to measure and mark the cable accurately, set up the swaging machine, and check the terminals after swaging. Shows how to remove, clean, and reassemble parts of the machine.  
 From the AIRCRAFT WORK series. Control Cables, No. 3

**\*SWAHILI - ACTIVE INTRODUCTION, GENERAL CONVERSATION**

2 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004115 Sale \$6.50  
 Cassettes and accompanying text are both available for \$7.75.

**OTHER FORMAT(S) or VERSION(S)**

4 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004116 Sale \$11.25  
 Tape set and accompanying text are both available for \$12.50.

**\*SWAHILI - ACTIVE INTRODUCTION, GEOGRAPHY**

3 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004117 Sale \$9.75  
 Cassettes and accompanying text are both available for \$10.50.

**OTHER FORMAT(S) or VERSION(S)**

5 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004118 Sale \$14.25  
 Tape set and accompanying text are both available for \$15.00.

**\*SWAHILI - BASIC COURSE**

20 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004119 Sale \$65.00  
 Cassettes and accompanying text are both available for \$69.50.

**OTHER FORMAT(S) or VERSION(S)**

38 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004120 Sale \$105.75  
 Tape set and accompanying text are both available for \$110.25.

**SWEDES IN AMERICA**

16 min, 16mm film, optical sd, b&w 1943  
 Producer USOWIO  
 Title No. 003622 Sale \$34.75  
 Tells of the lives and contributions of Swedes in America, particularly the Swedish-American families in Minnesota. Contains a portrayal of Carl Sandburg. Narrated by Ingrid Bergman.  
 From the AMERIC. SCENE series. No. 1

**\*SWEDISH - BASIC COURSE, UNITS 1-30**

28 audiotape cassettes, 2-track, monaural  
 Producer USFSI  
 Title No. 004121 Sale \$91.00  
 Cassettes and accompanying text are both available for \$101.00.

**OTHER FORMAT(S) or VERSION(S)**

48 1/4 in. audiotapes, full-track, monaural  
 Producer USFSI  
 Title No. 004122 Sale \$143.50  
 Tape set and accompanying text are both available for \$153.50.

**SWIMMING FOR SURVIVAL**

18 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN09198  
 Title No. 729890 Sale \$32.00  
 Stresses the importance of learning and practicing basic swimming skills by showing emergency situations where survival depends on this knowledge. Shows the side stroke, breast stroke, trudgen, sculling, treading water, and entering the water by jumping and diving.

**SYMPHONY ACROSS THE LAND**

53 min, 16mm film, optical sd, b&w 1958  
 Producer USIA Agency No. 01-02594  
 Title No. 730140 Rental: W/DRAWN Sale: W/DRAWN  
 Suggests the important role of music in American life by featuring leading symphony orchestras as representative of the more than 1,000 symphonies in the United States.

**SYMPTOMATIC POSTGASTRECTOMY PATIENT, THE**

22 min, 16mm film, optical sd, col 1969  
 Producer USNMAC Agency No. M-1714  
 Title No. 003623 Sale \$89.75  
 Presents fiberoptic photographs of postoperative complications of the stomach.

**SYNCHRO SYSTEMS, PT I**

15 min, 16mm film, optical sd, b&w 1969  
 Producer USN Agency No. MN 1540-W  
 Title No. 003624 Sale \$27.00  
 Explains how a synchro generator controls the movement of a synchro motor - and shows the electrical transfer of angular motion between two remote points.

**SYNCHRO SYSTEMS, PT II**

13 min, 16mm film, optical sd, b&w 1948  
 Producer USN Agency No. MN01540X  
 Title No. 730450 Sale \$23.75  
 Shows the operation of a control transformer and a differential synchro generator. Explains how to use control transformer as a receiver and a differential generator when putting corrections into the signal of the circuit.

**SYNCHROSCOPE**

38 min, 16mm film, optical sd, b&w  
 Producer USAF Agency No. TVK 30-618  
 Title No. 003625 Sale \$78.50  
 Shows the block diagram of the vertical and horizontal channels of a typical synchroscope, and traces a signal through both channels. Uses the Tektronix 502a oscilloscope to demonstrate how the various controls affect signal presentation. (Kinescope)

**TACTICAL AIR POWER**

20 min, 16mm film, optical sd, col 1967  
 Producer USAF Agency No. SFP 1597  
 Title No. 731195 Sale \$68.25  
 Discusses military importance of Tactical Air power especially in current counter-insurgency operations. Demonstrates latest striking power capabilities of Tactical Air Command (TAC). Depicts weapons deliveries, assault airlifts, close air support and reconnaissance operations. Shows latest methods for ground extraction and air drops of heavy equipment and supplies. Also introduces the F-11, latest aircraft inventory.  
 CLEANED FOR TV.

**TAKE 'ER DOWN**

13 min, 16mm film, optical sd, b&w 1954  
 Producer USN Agency No. MN09294  
 Title No. 003626 Sale \$23.75  
 Presents a history of the development of submarines in the U.S. Navy from 1900 to 1954. Includes scenes of the U.S.S. Nautilus, the first nuclear-powered vessel.

**TAKE SAFETY WITH YOU**

14 min, 16mm film, optical sd, col 1957  
 Producer USAE  
 Title No. 731725 Sale: W/DRAWN  
 Shows safety practices that should be followed for the greatest and safest enjoyment of the many recreational facilities available at Corps of Engineers' civil works projects.

Filmed on beautiful lakes Ouachita, Grenada, and Texoma, and on the Mississippi River this film stresses safe water recreation for the family.

THIS FILM HAS BEEN DECLARED OBSOLETE FOR USE WITHIN THE SPONSORING AGENCY.

#### TAKE THAT FIRST STEP

18 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-1568-X  
Title No. 003627 Sale \$94.50

Designed for 'soft sell' recruiting of young people in becoming teachers of handicapped children. It tells the story of a retarded boy and a college student who meet by accident. The boy spots the student dangling from a tree in which his sky-diving parachute has become entangled and tells how their friendship grows and influences the student's career planning.

#### TALKING TOGETHER

20 min, 16mm film, optical sd, b&w 1967  
Producer USOEO  
Title No. 732600

Sale \$27.00  
Provides a discussion between parents and teachers in which they examine why their exchange of ideas throughout the year has been essential to their child's development.

#### TALKING WITH DOLPHINS

16 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. M-1433X  
Title No. 732620 Rental \$10.00 Sale \$62.25

Describes studies and experiments made by naval electronics laboratory scientists in the area of underwater sound, using dolphins.

#### \*TALL STACKS

16 min, 16mm film, optical sd, col 1972  
Producer USEPA Agency No. TF-111  
Title No. 002203 Sale \$69.25

Reports on the 5-year study that investigates the effects of large power plants on the gaseous and particulate concentrations at various elevations and distances from selected tall stacks installations. Meteorological influences are described and demonstrated as a wide variety of complex atmospheric elements that act and interact on the dispersion and dilution of effluents.

SUGGESTED FOR PROFESSIONAL GROUPS ONLY.

#### TARGET - URBAN MOBILITY

18 min, 16mm film, optical sd, col 1965  
Producer USFHWA  
Title No. 733298

O/PRINT

Describes the rapid population growth taking place in the United States. Explains the meaning of Section 9 of the Federal Aid Highway Act of 1962 concerning requirements for an urban transportation planning process in urban areas having a population greater than 50,000. Briefly outlines the 10 basic technical Elements for which inventories and analyses are necessary in organizing and carrying out the cooperative, comprehensive, and continuing urban transportation planning process.

#### \*TARGET ZERO

20 min, 16mm film, optical sd, col 1962  
Producer USDA Agency No. 1524  
Title No. 003628 Sale \$88.00

Stresses the importance of keeping frozen foods at zero degrees fahrenheit or lower through marketing channels from the processing plant through the warehouse, in transit and in storage, and at the retail level. Describes long time work of USDA researches in working out time, temperature tolerance factors in maintaining quality of frozen foods illustrates practical application in the marketing process of knowledge gains.

#### TAURUS-GULF TRADE INCIDENT, THE

3 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN00202P  
Title No. 003629 Sale \$6.25

Shows collision of the Gulf Trade and the Taurus and the causes thereof.

#### TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 1 - DIRECT METHOD

? min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-1049

Title No. 003630 Sale \$22.75

One of two films. Shows direct method for determining the susceptibility of tubercle bacilli to various antituberculosis drugs--including sputum dilution and media inoculation, incubation, growth evaluation and recording.

#### TB LABORATORY PROCEDURE - DRUG SUSCEPTIBILITY TESTING, PT 2

7 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-1050

Title No. 003631 Sale \$24.50

One of two films. Shows indirect method (by subculturing) for determining the susceptibility of tubercle bacilli to various anti-tuberculosis drugs, including sputum dilution, subculturing media inoculation, incubation, growth evaluation, and recording.

#### \*TEACH SAFETY

15 min, 16mm film, optical sd, col 1968  
Producer USBM

Title No. 003529 Sale \$58.25

Stresses the importance of the supervisor's responsibility for teaching miners the correct, safe, and efficient methods of performing their jobs.

From the FOREMANSHIP TRAINING series.

PURCHASERS MUST FIRST REQUEST WRITTEN PERMISSION FROM CHIEF, OFFICE OF AUDIOVISUALS, UNITED STATES DEPARTMENT OF INTERIOR, MINING ENFORCEMENT AND SAFETY ADMINISTRATION, 4800 FORKED AVENUE, PITTSBURGH, PENNSYLVANIA 15213. AFTER PERMISSION HAS BEEN OBTAINED, THE PURCHASER SHOULD SEND HIS ORDER TO THE NATIONAL AUDIOVISUAL CENTER WITH THE STATEMENT OF APPROVAL ATTACHED.

#### TEACHER AND TECHNOLOGY, THE

49 min, 16mm film, optical sd, b&w 1966  
Producer USOE

Title No. 003632 Rental \$15.00 Sale \$87.50

Traces the beginnings and history of the impact of technology on education and illustrates some of the ways in which technology is being used to meet the dual problem of masses of students and the need for individual instruction. Suggests, throughout, the implications for the role of the students, teachers, and school administrator. The film ends with segments on how the school and the teacher of tomorrow might look based on working prototypes found in programs existent today.

From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL Media Series.

#### \*TEACHER TALKS TO ME

2 min, 8mm cartridge, optical sd, col  
Producer USBEH

Title No. 003696 Sale \$26.50

Sold only in a cartridge with auditory training rhythm, auditory training discrimination, and microphone techniques. Presents short insights into home and school education of the profound hearing impaired.

#### TEACHER-DIRECTED TELEVISION INSTRUCTION

28 min, 16mm film, optical sd, b&w 1968  
Producer USOE Agency No. OE 513

Title No. 003633 Rental \$10.00 Sale \$48.75

Demonstrates for university and school faculties how a television facility can free the instructor from some of the restrictions inherent in traditional television presentations, and enable him to control by push buttons the use of the medium to best serve his purposes.

#### TEACHER'S AIDS - A NEW OPPORTUNITY

21 min, 16mm film, optical sd, b&w  
Producer USOEO

Title No. 734750 Sale \$31.25

Depicts the training of para-professional teacher's aides for pre-schools.

\* INDICATES NEW ENTRY

**TEACHING BOX, THE**

10 min, 16mm film, optical sd, col 1967  
Producer USIA Agency No. 01-11292  
Title No. 008885 Sale: W/DRAWN  
Describes the introduction of closed circuit TV in American Samoa--a revolutionary experiment in education which makes a high standard of education accessible to many widely dispersed people, in this case on six scattered islands.

**TEACHING BY GUIDED DISCUSSION**

21 min, 16mm film, optical sd, b&w 1957  
Producer USAF Agency No. TF1-5210  
Title No. 003634 Sale \$37.00  
Presents an air university academic course instructor conducting a seminar in teaching psychology to demonstrate techniques of teaching by the guided discussion method, and illustrates applicable techniques.

**TEACHING CRUTCH WALKING**

13 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 422  
Title No. 003635 Rental \$7.50 Sale \$23.75  
Demonstrates how to teach the patient to walk in a walker. Describes the various methods of crutch walking--two-point four-point, and swinging. Tells how to sit, rise, and climb stairs and describes the safety factors involved in crutch walking.  
From the NURSING series.

**TEACHING ENGLISH CONVERSATION**

30 min, 16mm film, optical sd, b&w 1962  
Producer USIA Agency No. 01-02519  
Title No. 004682 Rental: W/DRAWN Sale: W/DRAWN  
Presents the hearing and speaking method of teaching English as a foreign language.

**TEACHING ENGLISH GRAMMAR**

19 min, 16mm film, optical sd, b&w 1959  
Producer USIA Agency No. 01-02456  
Title No. 004683 Rental: W/DRAWN Sale: W/DRAWN  
Shows how the drill method is used in teaching English grammar through structural pattern practice. Gives examples of both simple and complex patterns.

**TEACHING ENGLISH PRONUNCIATION**

20 min, 16mm film, optical sd, col 1963  
Producer USIA  
Title No. 004684 Sale: W/DRAWN  
Shows how to demonstrate correct pronunciation, how to direct the student in practicing correct pronunciation, and how to help him recognize and overcome errors.

**TEACHING ENGLISH SPEECH**

17 min, 16mm film, optical sd, b&w 1964  
Producer USIA Agency No. 01-02593  
Title No. 004685 Rental: W/DRAWN Sale: W/DRAWN  
Emphasizes the aural-oral approach to the teaching of English. Designed for teacher-training.

**TEACHING MACHINES AND PROGRAMMED LEARNING**

29 min, 16mm film, optical sd, b&w 1960  
Producer USOE Agency No. OE 496  
Title No. 003636 Rental \$10.00 Sale \$50.25  
Presents B F Skinner explaining the theory of programmed learning, Arthur Lumsdaine describing a variety of teaching machines and programmed materials, and Robert Glaser discussing the implication of such machines, and materials for education.

**TEACHING MACHINES AND SIDNEY PRESSEY**

12 min, 16mm film, optical sd, b&w 1966  
Producer USOE  
Title No. 003637 Rental \$7.50 Sale \$22.25  
Relates the story of Sidney Pressey, Emeritus Professor of Psychology at the Ohio State University who presents the historic teaching machine he invented in 1925 as a self-teaching, self-testing device.  
From the COMMUNICATION THEORY AND THE NEW EDUCATIONAL Media Series.

**TEACHING THE MENTALLY RETARDED - A POSITIVE APPROACH**

22 min, 16mm film, optical sd, b&w 1967  
Producer USNMAC Agency No. M-1453X  
Title No. 735300 Sale \$43.75  
A documentary following the progress made by four profoundly retarded children during a four month training program. The training emphasis is in areas of self-care--toilet training, dressing, eating, and manners, illustrating that even the profoundly retarded can learn rather complex skills. The principles of teaching used with the severely handicapped in an institutional setting may also be applied to the less retarded who may reside in the community.

**\*TEAM ANALYSIS AND PLANNING**

17 min, 16mm film, optical sd, b&w  
Producer JSOE  
Title No. 004686 Sale: W/DRAWN  
Depicts an analysis by teachers and auxiliaries of classroom problems.  
From the TEAMS FOR LEARNING series.

**\*TEAMS FOR LEARNING**

27 min, 16mm film, optical sd, b&w 1969  
Producer USOE  
Title No. 004687 Sale: W/DRAWN  
Assists the teacher or teacher aide teams so that administrators, supervisors, teachers, auxiliaries, parents and students may more effectively meet the student's individual learning needs. Illustrates some of the issues which may arise when persons with different capabilities and backgrounds function as a team.  
From the TEAMS FOR LEARNING series.

**\*TEAMS FOR LEARNING-A SERIES**

101 min, 16mm film, optical sd, b&w 1969  
Producer USOE  
Title No. 004393 Sale: W/DRAWN

**\*TEAMWORK ON THE NEVADA RANGE**

18 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 3692  
Title No. 004001 Sale \$83.00  
Tells the story of rural development through the combined efforts of government agencies and Nevada ranchers.

**TECHNICAL PROCEDURES FOR DIAGNOSIS AND THERAPY IN CHILDREN**

27 min, 16mm film, optical sd, col 1965  
Producer USN Agency No. MN09869A  
Title No. 003638 Sale \$109.50  
Gives step by step procedures for femoral venipuncture, internal jugular puncture, lumbar puncture, subdural tap, gastric lavage, scalp venipuncture, and cutdown  
~~NEVER HANDED FOR PROFESSIONAL GROUPS ONLY.~~

**TECHNIQUE FOR PROPELLING STANDARD WHEELCHAIR BY HEMIPLEGIC PATIENT**

5 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1250  
Title No. 003639 Sale \$18.00  
Demonstrates the manner in which a hemiplegic can be taught to use a wheelchair.

**TECHNIQUES OF ARMY NEWS PHOTOGRAPHY, THE**

27 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF21-3351  
Title No. 003640 Sale \$47.00  
Experts in photojournalism field define and illustrate essentials of superior news photography, covering still and motion picture techniques.

**TECHNIQUES OF EXHALED-AIR ARTIFICIAL RESPIRATION**

12 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. FTA 458  
Title No. 003641 Sale \$22.25  
Shows how to administer mouth-to-mouth artificial respiration.

**TECHNIQUES OF LABORATORY DIAGNOSIS OF INFLUENZA**

17 min, 16mm film, optical sd, b&w 1960  
Producer USNMAC Agency No. M-0368  
Title No. 003642 Sale \$30.50  
Explains and demonstrates the step-by-step procedures used in the laboratory diagnosis of influenza, including the collection of specimens, the isolation of the virus by intra-amniotic inoculation of chick embryos, rough agglutination tests, titration, hemagglutination tests, and the establishment of antibody content.

**\*TECHNIQUES OF SPEECH CORRECTION**

8 min, 16mm film, optical sd, col  
Producer USBEH  
Title No. 000354 Sale \$35.00  
The film illustrates a group of primary intermediate and senior classes involved in language development and speech correction.

**OTHER FORMAT(S) or VERSION(S)**

8 min, s8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003698 Sale \$29.50

**\*TEDDY**

17 min, 16mm film, optical sd, col 1971  
Producer USNIMH

Title No. 002204 Rental \$10.00  
Sold only as part of a series. Presents the experiences of a teenage Black, relating his views of the 'system', showing his relationship with the church, school, social relations, drugs, and community self-help programs. Tells of war, revolution, Watts, the Black Panthers, and the police. Concludes with idea of being one's self, not being totally influenced by the group.

From the SOCIAL SEMINAR series.

**TELETHERAPY AND BRACHYTHERAPY**

18 min, 16mm film, optical sd, col 1958  
Producer USAEC

Title No. 003643 Sale \$92.50  
Shows the diagnostic and therapeutic uses of such radioisotopes as co-60, CS-137, eu-152-154, i-131, and y-90 in teletherapy and brachytherapy by using machines that aim a high-energy beam at a tumor or by using implants of radioactive materials in the form of needles, beads, sterile tubing, or seeds.

**TELEVISION, A TEACHING ASSISTANCE, PRESENTING PATTERNS OF INTER-INSTITUTIONAL AND...**

28 min, 16mm film, optical sd, b&w  
Producer USOE Agency No. OE 511

Title No. 003644 Rental \$10.00 Sale \$48.75  
FULL TITLE - TELEVISION, A TEACHING ASSISTANCE, PRE-PATTERNS OF INTER-INSTITUTIONAL AND INTER-REGIONAL COLLEGE TEACHING BY TELEVISION. Documents patterns of inter-institutional and interregional teaching on television in selected areas of the United States, including the educational advantages to both staff and students of cooperative uses of television in college teaching.

**TEMPORARY PLASTIC BRIDGES**

19 min, 16mm film, optical sd, col 1964  
Producer USA Agency No. PMF 5381

Title No. 003645 Sale \$65.00  
Gives a clinical demonstration of the construction of a temporary plastic bridge of four teeth.

**TEMPO-MANDIBULAR JOINT**

8 min, 16mm film, optical sd, col 1964  
Producer USVA Agency No. D-82

Title No. 003646 Sale \$38.00  
The anatomy and function of the temporo-mandibular joint is demonstrated by means of dissection and artists' illustrations.

**TENDER POWER, THE**

19 min, 16mm film, optical sd, col 1969  
Producer USIA Agency No. 01-11484

Title No. 004688 Rental: W/DRAWN Sale: W/DRAWN  
Portrays the lives of three typical American women as they

participate in the world of work, and the resultant benefits to themselves, their families, and the nation's economy.

**TENNESSEE BRIDGE TEST**

19 min, 16mm film, optical sd, col 1970  
Producer USFHWA

Title No. 003647 Sale \$78.00  
Shows loading tests on three bridges located near Winchester, Tennessee. The U S Army HET-70 main battle tank transporter, loaded with the m60-a1 track laying combat tank, is the primary test vehicle. A prestressed concrete eye-beam structure, a four-span continuous steel girder bridge and a reinforced concrete t-beam structure are tested.

**TENSION TESTING**

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 348

Title No. 739270 Rental \$7.50 Sale \$37.00  
Shows how a hydraulic tension testing machine operates, how to prepare the machine and a specimen for a test. Describes how to conduct the test to determine the specimen's elastic limit, yield point, and ultimate strength.  
From the ENGINEERING series.

**\*TENT FLAPS AND FLAPJACKS**

26 min, 16mm film, optical sd, col 1962  
Producer USDA Agency No. 1514

Title No. 004002 Sale \$112.00  
Portrays the recreational opportunities in the national forests in the Northcentral States.

**TERNARY PHASE DIAGRAM**

7 min, 16mm film, optical sd, col 1965  
Producer USAEC

Title No. 003648 Sale \$54.25  
Depicts the development of a new and rapid technique for preparation of ternary phase diagrams required in the search for useful alloys. Since there are more than 4,000 combinations of three-element alloys which can be made from common metals alone, a comprehensive collection of such diagrams is needed. The technique shown for determining ternary phase alloy diagrams makes it possible to circumvent a previously tedious, time consuming, and costly research procedure.

**TERRADYNAMICS**

21 min, 16mm film, optical sd, col 1968  
Producer USAEC

Title No. 003649 Sale \$74.50  
Documents the Earth penetration program at Sandia Laboratories-a program concerned with determining the nature and composition of sub-surface soil using Earth-penetrating, ballistic vehicles. With emphasis on current technology, shows early experimentation, the evolution of the program, the delivery techniques and design of several penetration vehicles, plus a typical recovery operation and post-recovery analysis.

**TESTING AND INDIVIDUAL THERAPY FOR THE APHASIC PATIENT**

28 min, 16mm film, optical sd, col 1950  
Producer USVA

Title No. 003650 Sale \$94.50  
Explains the testing and rehabilitation procedures that are used in Veterans Administration hospitals for aphasics of different types. Demonstrates various methods of psychological and personality testing and shows patients undergoing therapy for motor, sensory, and formulation aphasia.

**TESTING APOLLO**

5 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. AD 021

Title No. 003651 Sale \$24.75  
Illustrates the testing programs for the Saturn and Apollo spacecraft. Shows testing sequences in the vehicle assembly building and on the launch pad.  
From the APOLLO DIGEST series.

**TESTING MASS STANDARDS BY SUBSTITUTION**

22 min, 16mm film, optical sd, col 1956

Producer USNBS

Title No. 740246

Sale \$74.75

Demonstrates a simple method for quickly determining with a high degree of precision the mass of an 'Unknown' standard by comparison with one of known value, known as 'error testing.' Designed primarily as a training aid for weights and measures officials, it can also be useful to science classes and laboratory personnel.

**TESTIS TUMORS**

63 min, 16mm film, optical sd, b&amp;w 1967

Producer USNMAC Agency No. T-1973-X

Title No. 003652

Sale \$131.50

Discusses several approaches to the problem of management of testicular tumors, as presented to the 1967 American Radium Society meeting in Toronto, Canada.

**\*THAI - BASIC COURSE, VOL 1**

19 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004123

Sale \$61.75

Cassettes and accompanying text are both available for \$65.50.

**OTHER FORMAT(S) or VERSION(S)**

19 1/4 in. audiotapes, 2-track, monaural

Producer USFSI

Title No. 004124

Sale \$53.00

**\*THAI - BASIC COURSE, VOL 2**

17 audiotape cassettes, 2-track, monaural

Producer USFSI

Title No. 004125

Sale \$55.25

Cassettes and accompanying text are both available for \$59.00.

**OTHER FORMAT(S) or VERSION(S)**

17 1/4 in. audiotapes, 2-track, monaural

Producer USFSI

Title No. 004126

Sale 5

**THAILAND**

29 min, 16mm film, optical sd, col 1963

Producer USA Agency IV 616

Title No. 003653

Sale \$115.50

Looks at kingdom of Thailand and assistance offered by members of the U S Army.

From the BIG PICTURE series.

NOT CLEARED FOR TV.

**THANKS FOR THE DINNER**

10 min, 16mm film, optical sd, col 1969

Producer USVA Agency No. D-73-ED

Title No. 003654

Sale \$33.50

Because of continued neglect Frank must have all his teeth extracted. His friend and former classmate, Dr Renolds, convinces Frank that modern facilities and techniques have eliminated any cause for concern. After Frank receives his dentures, Dr Renolds takes him to dinner, helps him overcome his initial anxieties and instructs Frank in the care and use of his prothesis.

**\*THAT JOB INTERVIEW**

16 min, 16mm film, optical sd, col 1971

Producer USDL Agency No. 11058

Title No. 740897

Rental \$10.00 Sale \$68.00

Provides instruction for military personnel in the four services on how to conduct themselves during civilian job interviews.

**\*THAT THE BEST WILL BE OURS**

18 min, 16mm film, optical sd, col 1970

Producer USDA Agency No. 7212

Title No. 003792

Sale \$89.00

Covers the exacting handling, processing, and labeling requirements that meat and poultry packers must heed in preparing their products, and the inspection controls used to help insure that the requirements are met. Equally important, it shows the shopping, handling, storage, and preparation steps that consumers can take from the foodstore to the home table, to get the best buys and to insure that these

foods stay as safe and wholesome as they were when they left the packing plant.

**\*THAT THE LAST BE THE BEST**

28 min, 16mm film, optical sd, col

1971

Producer USSR

Title No. 002205

Sale \$115.50

Reports on initiatives of the Conference on Aging and shows film clips of President Nixon as he addresses the final session on December 2, 1971.

**THEODORE ROOSEVELT, AMERICAN**

27 min, 16mm film, optical sd, b&amp;w

1958

Producer USDOD

Agency No. AFSM 555

Title No. 741430

Sale \$47.00

Reviews the life and achievements of Theodore Roosevelt from childhood to his death. Consists principally of drawings, cartoons, and all photographs.

**THEORY OF BLOOD COAGULATION, THE**

26 min, 16mm film, optical sd, b&amp;w

1969

Producer USNMAC

Agency No. T-1698

Title No. 004689

Sale: W/DRAWN

Explains the basic mechanism of blood coagulation, presents brief background and resume of recent experimental work being done in field, and lays ground work for series which follow. Mention is made of pathogenesis of hemorrhagic and thrombo-embolic disease. (Kinescope)

**THEORY OF HELICOPTER FLIGHT, THE**

22 min, 16mm film, optical sd, col

1969

Producer USN

Agency No. MN10650

Title No. 003655

Sale \$89.75

Describes how the helicopter obtains lift, direction stability and control. Shows the use of the helicopter in war and peace.

**THEORY OF THE LEAD-ACID STORAGE BATTERY**

25 min, 16mm film, optical sd, b&amp;w

1959

Producer USN

Agency No. MN08592

Title No. 741750

Sale \$43.75

Shows in detail, by use of animation, how chemical energy is converted into electrical energy to produce electromotive force.

**THERAPEUTIC EXERCISE--INTRODUCTION**

17 min, 16mm film, optical sd, b&amp;w

1950

Producer USA

Agency No. PMF 5034

Title No. 006414

Sale \$30.50

An Army surgeon talks to his staff about pertinent problems in the use of therapeutic exercise--nature of the injury, stage of health of the patient, precautions to be observed - and illustrates appropriate exercises to be used with patients with nerve, spinal cord, brain, chest, etc. injuries.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

**THERAPEUTIC EXERCISE--ORTHOPEDICS**

28 min, 16mm film, optical sd, b&amp;w

1950

Producer USA

Agency No. PMF-5051

Title No. 003657

Sale \$48.75

Demonstrates therapeutic exercises suitable in the management of orthopedic cases.

**THERAPEUTIC USES OF HEAT AND COLD, PT 1, ADMINISTERING HOT APPLICATIONS**

21 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Agency No. OE 408

Title No. 003658

Rental \$7.50 Sale \$37.00

Shows body reactions to heat and the use of heat in the alleviation of pain. Tells how to apply hot water bottles, electric pads, chemical pads, and paraffin bath. Describes the uses of hot soak, compresses, infra-red lamp, and shortwave diathermy.  
From the NURSING series.

**THERAPEUTIC USES OF HEAT AND COLD, PT 2, ADMINISTERING COLD APPLICATIONS**

22 min, 16mm film, optical sd, b&amp;w

1945

Producer USOE

Agency No. OE 409

Title No. 003659

Rental \$7.50 Sale \$38.50

Shows body responses to cold, therapeutic uses of cold, how

to administer contrast baths and ice bags, how to apply ice packs as anesthesia, and how to use refrigerating blankets and cold chamber.

From the *NURSING* series.

#### **THERAPY IN PANCREATIC INFLAMMATION**

36 min, 16mm film, optical sd, b&w 1969  
Producer USNMAC Agency No. T-1965  
Title No. 003660 Sale \$74.50  
Relates to the pathogenesis of acute pancreatitis to secretory mechanisms, and the construction of a unified concept of the etiology of inflammation within the pancreas. Evidence is accumulated from anatomic studies, manometric determinations of the intracholedochal and intrapancreatic ductal secretory pressures, physiologic investigations in experimental pancreatitis, and analyses of the clinical correlations observed in human pancreatitis. (Kinescope)

#### **\*THERE COMES A TOMORROW**

27 min, 16mm film, optical sd, col 1958  
Producer USDA Agency No. 1314  
Title No. 004003 Sale \$122.00  
Demonstrates the need of stimulating communitywide concern for effective forest-fire prevention measures. A part-time farmer learns 'the hard way' about the need for precaution in burning debris. His neighbors leave their own work to fight a forest fire started by his carelessness. Before the fire is controlled, it causes considerable damage to property, timber, and land. Some of the people in this forest community accept the responsibility of working together to control local forest fires.

#### **THERE IS A WAY (REV ED)**

27 min, 16mm film, optical sd, col 1967  
Producer USAF Agency No. SFP 1767  
Title No. 741840 Sale \$91.25  
Portrays life of F-105 pilots who daily fight the air war in Southeast Asia. Pictures their hazardous missions against determined enemy forces in the North, while pilots and crews tell about the job they are doing and why.  
*CLEARED FOR TV.*

#### **\*THERE MUST BE A CATCH**

12 min, 16mm film, optical sd, col 1968  
Producer USDL  
Title No. 002206 Rental \$10.00 Sale \$50.50  
Portrays a young man newly motivated by the employment service being screened out by the narrow, unrealistic hiring policy of a personnel office. The silent anguish of the job-seeker is juxtaposed with the frustration of an employer who can't find competent help.  
From the *CAREER JOB OPPORTUNITY FILM* series.  
*CLEARED FOR TV.*

#### **THERE WAS A NEED**

30 min, 16mm film, optical sd, b&w 1966  
Producer USIA Agency No. 01-01049  
Title No. 004394 Rental: W/DRAWN Sale: W/DRAWN  
Shows how industrial, labor union and community service personnel of Concord, Massachusetts, co-operate to achieve economic stability and prosperity.  
From the *REPORT FROM AMERICA* series.

#### **THEY'RE OUT TO GET YOU**

13 min, 16mm film, optical sd, col 1969  
Producer USSBA  
Title No. 743125 Rental \$10.00 Sale \$43.75  
Shows how shoplifters operate and, indirectly, points out preventive measures small businessmen can take to limit shoplifting in their stores.

#### **\*THINK LIKE A MOUNTAIN**

28 min, 16mm film, optical sd, col 1972  
Producer USDA Agency No. 6646  
Title No. 005294 Sale \$142.00  
Deals with rare and endangered species of wildlife and the Forest Service's concern with protecting them. Mountain men, cowboys, wolf trappers, and a hermit on the desert recall the changes they have witnessed in the land and its

wildlife, the former abundance of species now considered endangered.

#### **THIRD CHALLENGE, THE**

45 min, 16mm film, optical sd, col 1963  
Producer USDOD Agency No. AFIF 0123  
Title No. 003661 Sale \$153.00  
Illustrates how revolutions, insurgency, subversion constitute the unconventional warfare of the third challenge which the U.S. must fight in the far-flung reaches of the globe.

#### **THIRD GRADE SCIENCE**

11 min, 16mm film, optical sd, b&w 1966  
Producer USOE Agency No. OE 507  
Title No. 003662 Rental \$5.00 Sale \$19.25  
One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching third grade science.  
From the *PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series*.

#### **THIRD GRADE SCIENCE (SPANISH)**

11 min, 16mm film, optical sd, b&w 1966  
Producer USOE Agency No. OE 507  
Title No. 003663 Rental \$5.00 Sale \$19.25  
One of a series designed to stimulate teacher discussion of the various uses of programmed instruction in teaching third grade science.  
From the *PROGRAMMED INSTRUCTION - THE TEACHER'S ROLE Series*.

#### **\*THIRTY DAYS BENEATH THE SEA**

15 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-104078  
Title No. 002207 Sale \$60.00  
Shows the drifting voyage of the Ben Franklin submersible under the Gulf Stream and how the new knowledge is derived from the cruise to the addition of the understanding of the oceans.

#### **THIRTY-SECOND INFANTRY DIVISION**

18 min, 16mm film, optical sd, b&w 1954  
Producer USA Agency No. CMF130-7930  
Title No. 003664 Sale \$32.00  
Traces the history of the U.S. Army's 32nd Infantry Division through the Civil War, Spanish-American War, Mexican Border-Campaign - World War I and World War II. Highlights its action at Buna, Saidor, Anitape, Leyte, Luzon, and in the occupation in Japan.

#### **THIRTY-SIXTH INFANTRY DIVISION**

21 min, 16mm film, optical sd, b&w 1953  
Producer USA Agency No. CMF130-7931  
Title No. 003665 Sale \$37.00  
Historical record of the 36th Infantry Division during World Wars I and II, particularly its part in the battles at Salerno, San Pietro, Cassino, Anzio, and in Germany.

#### **THIS IS FAA**

5 min, 16mm film, optical sd, col 1967  
Producer USFAA Agency No. FA-0708  
Title No. 004395 Sale: W/DRAWN  
Summarizes the missions and varied activities of the Federal Aviation Administration.

#### **\*THIS IS LIVESTOCK POOLING**

5 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. 4156  
Title No. 004004 Sale \$24.50  
Shows the selling of livestock through auction marketing pooling. Advantages of marketing livestock by this method are explained.

#### **\*THIS IS OSHA**

27 min, 16mm film, optical sd, col 1973  
Producer USDL  
Title No. 003097 Sale \$107.75  
Presents a factual report of progress in the Occupational

Safety and Health Administration's first two years and provides an overview of its functions standards-setting, inspections, training and education, state programs and voluntary compliance.

#### THIS IS VORTAC

15 min, 16mm film, optical sd, b&w 1959  
Producer USFAA Agency No. FA-0104  
Title No. 003666 Sale \$27.00  
Explains the combination VOR and TACAN navigational systems.

#### \*THIS IS YOUR FOREST

10 min, 16mm film, optical sd, col 1955  
Producer USDA Agency No. 1227  
Title No. 004005 Sale \$43.00  
Tells a simple story of a ranger explaining what his district is 'for' to two Boy Scouts. Scenes of all national forest activities. Filmed in the Northern Lake States.

#### \*THIS LAND OF MINE

27 min, 16mm film, optical sd, col 1967  
Producer USIA Agency No. 46-11469  
Title No. 004690 Rental: W/DRAWN Sale: W/DRAWN  
Pictures work being done in West Pakistan to increase food production. Features the salinity control and reclamation project, known as Scarp 1, which is a cooperative effort of U.S. aid, Pakistan Water and Power Authority, and other Pakistan government agencies.

#### THORIUM - U233 UTILIZATION

13 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003667 Sale \$55.50  
Gives a technical discussion on the use of ThoriumU-233 as fertile material in commercial fabrication of ceramic uran-thoria. Previews technical developments in fuel and reactor concepts, such as the molten salt experiment, and the preparation of the first Uranium 233 enriched thorium fuel by the sol-gel process.

#### THOSE WHO STAY BEHIND

16 min, 16mm film, optical sd, col 1969  
Producer USSRS  
Title No. 003668 Sale \$66.00  
Shows the problems of the isolated and disadvantaged rural family and emphasizes those problems which face a family having an afflicted child.

#### THOUGH THE EARTH BE MOVED, THE ALASKAN EARTHQUAKE

45 min, 16mm film, optical sd, b&w 1965  
Producer USOCD Agency No. DODCD20-238  
Title No. 003671 Sale \$76.50  
Shows the Good Friday earthquake of 1964 that struck Alaska with a force equal to 10 million atomic bombs of the size that leveled Hiroshima.  
Cleared for TV.

#### THOUSAND-MILE MIRACLE

23 min, 16mm film, optical sd, col 1965  
Producer USAE  
Title No. 003669 Sale \$147.00  
Sounds and scenes along the Gulf Intracoastal Waterway, the viewer meets, a towboat crew, a corps of engineers' survey boat, commercial fishermen, a refueling crew, and many others whose lives and fortunes are related to this miracle of water transport. The role of the corps of engineers for construction and maintenance of the waterways is also a part of this story which ends dramatically with a night-time storm and the calm of a new day.

#### THREADING TAPS AND DIES, PART VII

15 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 07831G  
Title No. 745850 Sale \$27.00  
Shows sequences and close-ups of the operations involved in tapping and threading as the worker views them in performance of the task. Explains the uses of taper, plug and bottoming taps, and shows die adjustments for obtaining the desired fit of threads to tapped holes.

#### THREE CHEERS ON A JUNE DAY

14 min, 16mm film, optical sd, col 1968  
Producer USN Agency No. MN10670  
Title No. 003670 Sale \$58.25  
Shows June Week and graduation at the Naval Academy at Annapolis, Maryland.

#### \*THREE SQUARES, THE

14 min, 16mm film, optical sd, col 1956  
Producer USDA Agency No. 1308  
Title No. 001915 Sale \$61.00  
Tells how canning started, how it grew, what it means to us, and what it can mean for future generations (in live action and animation.) Assures our 'three squares' daily and learns the art of preserving all kinds of foods.

#### THREE TIMES THREE

14 min, 16mm film, optical sd, col 1969  
Producer USSBA  
Title No. 747425 Rental \$10.00 Sale \$47.00  
Illustrates nine important keys to small business success--personal ability of the owner, use of outside assistance and information, understanding of insurance, regulations, taxes, business opportunity, knowing sources of capital, maintenance and use of business records, understanding financial factors, effective organization and planning, and using good management techniques.

#### THREE-PHASE MOTOR, PT 1, PREPARING TO REWIND

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 395  
Title No. 747550 Rental \$7.50 Sale \$30.50  
Shows how to interpret and record nameplate data of a three-phase motor, identify the line and finish leads. Remove coils and determine coil span, use a coil winding machine, and end-tape machine wound coils.  
From the ELECTRICAL WORK series. Motor Maintenance And Repair, No. 4

#### THREE-PHASE MOTOR, PT 2, REWINDING

17 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 396  
Title No. 747551 Rental \$7.50 Sale \$30.50  
Shows how to insert mush coils and separators, fold, trim, and wedge slot insulation around windings, insert phase insulation and make a delta connection.  
From the ELECTRICAL WORK series. Motor Maintenance And Repair, No. 5

#### THREE-WIRE SERVICE ENTRANCE

24 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 374  
Title No. 747460 Rental \$10.00 Sale \$42.25  
Describes how to mount and connect an outdoor meter connection box and a service control box, ground a three-wire service entrance installation and install a concentric service entrance cable.

#### THRESHOLD

27 min, 16mm film, optical sd, col 1969  
Producer USDHEW  
Title No. 747698 Sale \$111.75  
Illustrates the relationship between research and medical care. Shows the broad scope of modern research-based anesthesiology--surgery, respiratory and intensive care units for the critically ill, and the diagnosis and treatment of persistent pain. Physician-scientists talk frankly about themselves and their research careers.

#### THRUFEED GRINDING A STRAIGHT PIN, PT 1

29 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 085  
Title No. 747750 Rental \$10.00 Sale \$50.25  
Explains the principle of centerless grinding and describes the basic elements of the centerless grinding machine. Shows how to set up the machine and true the grinding and regulating wheels.  
From the MACHINE SHOP WORK series. Operations on the Centerless Grinding Machine, No. 1

**THRUFED GRINDING A STRAIGHT PIN, PT 2**

28 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 086  
Title No. 747751 Rental \$10.00 Sale \$48.75  
Shows how to balance the grinding wheel, position work for grinding, adjust work guides, take a trial grind, eliminate taper in the grinding wheel, use a crown cam to dress the grinding wheel and check the workpieces.  
From the *MACHINE SHOP WORK* series Operations on the Centerless Grinding Machine, No. 2

**\*THUNDERBOLT**

43 min, 16mm film, optical sd, col 1946  
Producer USAF Agency No. SFP-182  
Title No. 002208 Sale \$200.00  
Tells the story of the members of the 57th Fighter Group participate in 'Operation Strangle' in Italy in 1944 while flying the P-47 thunderbolt Fighter-bomber from bases in Corsica. This important operation denied the German troops in the south the badly needed supplies which had been arriving by rail, water and highway.

**THYRATRON SAWTOOTH GENERATOR**

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-816  
Title No. 003672 Sale \$52.50  
Shows an electron beam moving across the face of an oscilloscope, and points out that the thyratron sawtooth generator produces the waveshapes required to move the electron beam. Gives a detailed analysis of the circuit operation and constructs a time-amplitude graph of the sawtooth waves, explaining its physical and electrical length. (Kinescope)

**THYROID AREA, THE**

6 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-71A  
Title No. 003673 Sale \$22.25  
Previous dissection of the anterior neck demonstrated the infra-hyoid musculature. This film demonstrates dissection of deeper structures of the thyroid area. Practical surgical applications are noted. The entire pretracheal area is reviewed diagrammatically.

**TICKET THROUGH THE SOUND BARRIER**

28 min, 16mm film, optical sd, b&w 1967  
Producer USNASA Agency No. HQK-SR 10  
Title No. 003674 Sale \$55.75  
Explores the supersonic transport development progress. The viewer is taken on a personal inspection trip of various configuration and gets to examine each. Also included is a 'ride' in a simulated sst.

**TICKS AND TICK-BORNE DISEASE**

19 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-0346  
Title No. 003675 Sale \$65.00  
Discusses ticks and their importance in transmitting diseases, the biology of ticks, and how to control them.

**TICKS AND TICK-BORNE DISEASES (SPANISH)**

19 min, 16mm film, optical sd, col 1960  
Producer USNMAC Agency No. M-0346-SP  
Title No. 003676 Sale \$65.00  
Discusses ticks and their importance in transmitting diseases, the biology of ticks, and how to control them.

**TIDAL POWER**

22 min, 16mm film, optical sd, col 1959  
Producer USAE  
Title No. 003677 Sale \$150.00  
Records the study made by the United States and Canada of the economic feasibility of harnessing tidal power for electrical energy in the areas around Passamaquoddy and Cobscook bays in Maine and New Brunswick. Includes a tour of project sites with an explanation of the comprehensive plan for the huge project.

**TIME**

57 min, 16mm film, optical sd, b&w 1946  
Producer USN Agency No. MN00083E  
Title No. 003678 Sale \$98.75  
Explains the division of the globe into time zones-apparent, side-real, and mean time use of the chronometer and three means of computation of time and its reckoning.

**TIME AND TIDE**

24 min, 16mm film, optical sd, col 1964  
Producer USAF Agency No. SFP 1362  
Title No. 749340 Rental \$12.50 Sale \$81.50  
Barney Anderson learns a tragic lesson from the misuse of time. He postpones overdue repair job on a wagon in which his son is fatally injured. In the wake of his sorrow, Barney realizes that putting off till tomorrow can bring disaster.  
**CLEARED FOR TV.**

**TIME BOMB IN THE RIVER**

24 min, 16mm film, optical sd, col 1963  
Producer USAE  
Title No. 003679 Sale \$87.00  
Documents the search, recovery, and salvage of four huge tanks of dangerous liquid chlorine from the Mississippi River near Natchez, Mississippi. The picture covers the emergency planning of the federal agencies, the states, local governments and the Red Cross to protect the health and welfare of 80 thousand residents in a radius of 30 miles of the sunken barge.

**TIME LAPSE STUDY OF ANTARCTIC ICE FLOES AND TIDAL CURRENTS**

26 min, 16mm film, optical sd, col 1964  
Producer USN Agency No. MN10152  
Title No. 003680 Sale \$88.00  
Presents a year-long record taken at Wildes Station of the movements of ice floes in and out of Newcomb Bay. Demonstrates that ice floe movements follow the same pattern as the currents, irrespective of wind speed and direction. Also shows many cloud formations and the changes they undergo with time, as well as the progressive freezing and thawing of the ice in the bay.

**TINNING AND SOLDER WIPING**

26 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 343  
Title No. 750745 Sale \$53.50  
Shows how to clean copper tubing for tinning, apply flux to copper, tin copper tubing by hand and by dipping, and how copper reacts to heat when being dipped. And solder wiped. From the *SHIPBUILDING SKILLS* series. Coppersmithing No. 4

**\*TIROS EXPERIMENTAL WEATHER SATELLITE**

14 min, 16mm film, optical sd, col 1960  
Producer USNASA Agency No. HQA-25  
Title No. 002626 Sale \$50.00  
Depicts the preparation and launch of the rocket vehicle and payload of Tiros I.

**\*TO FIND ANSWERS**

29 min, 16mm film, optical sd, col  
Producer USSR  
Title No. 751511 Rental \$12.50 Sale \$175.00  
Miss Mary Switzer, Administrator of the Social and Rehabilitation Services, and Dr Howard Rusk, Director of the Institute of rehabilitation medicine at the new New York University Medical Center, discuss research for the handicapped. Demonstrates several devices to illustrates how science is improving life for the disabled.  
From the *TO LIVE AGAIN* series.

**TO HEAR AGAIN**

37 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. PMF 5052  
Title No. 003681 Sale \$63.50  
Explains and shows examples of the U S Army's auroral rehabilitation program-testing, treatment, and social rehabilitation. Shows use of hearing aids and lip reading, and stories of several patients. Primarily for patient orientation.

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**TO LIVE IN DARKNESS**

13 min, 16mm film, optical sd, b&w 1947  
Producer USN Agency No. MN01921F  
Title No. 001916 Sale \$28.50  
Dramatized incidents show three plant workers who lost their sight through carelessness.

**TO OPEN A DOOR**

30 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. MIS 836  
Title No. 003682 Sale \$52.00  
Documents an actual polio campaign in a large eastern city. Shows the problem it faced of gaining the attention and response from the 'submerged one-third' of the population. Records the fears, doubts, and hostilities which could have stood between the program and success, and presents the means of overcoming these.

**TO SAVE A LIFE**

13 min, 16mm film, optical sd, col 1961  
Producer USFAA Agency No. FA-0129  
Title No. 004691 Sale: W/DRAWN  
Depicts emergency life-saving techniques for VFR pilots who accidentally stray into IFR weather.

**\*TO SEEK, TO TEACH, TO HEAL**

29 min, 16mm film, optical sd, col  
Producer USNIH  
Title No. 751875 Sale \$148.50  
Through dramatization about a young boy's fight for life brings into sharp focus the way in which the nation's network of medical centers, medical research institutions and medical schools can mobilize and bring into life-saving use man's newest knowledge. Tells how with the support of the national institutes of health, these institutions teach and train new physicians and research scientists, seek new medical knowledge, and bring better health to the people of the nation.  
**CLEARED FOR TV.**

**TO SPEAK WITH FRIENDS**

29 min, 16mm film, optical sd, b&w 1960  
Producer USOE Agency No. OE 506  
Title No. 751900 Rental \$10.00 Sale \$50.25  
Illustrates instructional practices in elementary and secondary schools using language laboratories, television, motion pictures, recordings, slides, and other special audio-visual facilities to help students in understanding and speaking foreign languages.

**\*TOBACCO**

5 min, 16mm film, optical sd, col 1971  
Producer USNIMH  
Title No. 002210 Rental \$7.50 Sale \$22.50  
Discusses the quantity sold in the United States and its connections with respiratory damage.  
From the *SINGLE CONCEPT DRUG FILM* series.

**\*TODAY AND TOMORROW**

.28 min, 16mm film, optical sd, col 1973  
Producer USVA  
Title No. 002211 Sale \$115.50  
Shows VA youth volunteers in both career explorations and indirect patients service assignments. It is anticipated helpful to recruiting high school students and to illustrate a wide range of hospital assignments in which youth volunteers can both learn and serve.

**TODAY FOR TOMORROW**

15 min, 16mm film, optical sd, col 1969  
Producer USFAA Agency No. FA-0907  
Title No. 003683 Sale \$51.75  
Shows FAA's research and development center in Atlantic City, N J (called the National Aviation Facilities Experimental Center or NAFEC). There are between 150 and 200 projects going on at one time, at the center, exploring such facets of civil flight as air traffic control, new aircraft, airport runways and lighting systems, wake turbulence, structural stress, and all weather landing capability.

**\*TOM**

19 min, 16mm film, optical sd, col 1971  
Producer USNIMH  
Title No. 002212 Rental \$10.00  
Sold only as part of a series. Presents Tom, a 26 year old who has 'dropped out' and has 'dropped' everything - LSD, mescaline, psilocybin and some things familiar only to obscure chemists in Berkeley. Poses the questions of--what does the frequent use of psychedelics have to offer him? What are his feelings about alternative routes to heightened awareness? Does he regard his use of drugs as a transition - and, if so, to what? Tom wants to be left alone, but does he need help?  
From the *SOCIAL SEMINAR* series and the Professional Drug Films Series.

**TOM SCHULER, COBBLER STATESMAN**

28 min, 16mm film, optical sd, col 1954  
Producer USIA Agency No. 01-02796  
Title No. 004692 Rental: W/DRAWN Sale: W/DRAWN  
Demonstrates with animation the weaknesses of the Articles of Confederation as a colonial shoemaker travels across several state lines to buy leather. Later he helps to get the Constitution ratified.

**TOMORROW WILL NOT WAIT - AIR, WATER AND LAND CONSERVATION**

13 min, 16mm film, optical sd, col 1970  
Producer USAF Agency No. SFP 2003  
Title No. 003684 Sale \$54.50  
Indicts us for befouling our air, water and soil, and shows attempts by the Air Force to do something to stop pollution where possible.  
**CLEARED FOR TV.**

**TOMORROW'S POWER - TODAY**

6 min, 16mm film, optical sd, col 1964  
Producer USAEC  
Title No. 003685 Sale \$26.50  
Depicts a non-technical film on the principles of atomic power production, explaining why the energy of the atom is used to supplement conventional fossil fuels. Uses animation to demonstrate how nuclear fission creates heat and how that heat is converted into electrical power. Compares the energy released by the uranium atom to that released by coal, gas, and gives the kilowatts produced by representative atomic power plants in the United States.

**\*TOPSOIL**

10 min, 16mm film, optical sd, b&w 1948  
Producer USDA Agency No. 1019  
Title No. 753600 Sale \$24.00  
Explains the dependence of rural people upon soil. Shows the characteristics and importance of topsoil, how centuries are required to make it and how it can be destroyed in minutes.

**TORONADO**

15 min, 16mm film, optical sd, col 1956  
Producer USESSA  
Title No. 003686 Sale \$51.75  
Tells the story of a typical midwestern city that lies in the path of a destructive tornado. Includes scenes of a tornado in action and describes protective preparations. Shows weather conditions which generate tornadoes as well as ESSA-weather bureau methods of charting conditions and issuing warnings to the public.  
**CLEARED FOR TV.**

**TOTAL BODY MEASUREMENT OF NATURAL AND ACQUIRED RADIOACTIVITY IN MAN**

11 min, 16mm film, optical sd, col 1961  
Producer USA Agency No. PMF 5336  
Title No. 003687 Sale \$37.25  
Depicts the new methods and facilities devised at Walter Reed Army Medical Center to study the effects of the nuclear program on man. Describes the features, and use of the 'human counter,' 'iron room,' and 'medical fluoroscopy stand' to measure type and degree of radioactivity in man.

**\*TOTEM POLES**

11 min, 16mm film, optical sd, col 1949  
**Producer USDA** Agency No. 1041  
**Title No. 749050** Sale \$49.00  
Shows the timber resources of the Tongass National Forest in southeast Alaska and explains the meaning of the totem poles of the Indians.

**\*TOWARD A MORE COMMON LANGUAGE**

27 min, 16mm film, optical sd, col 1973  
**Producer USOE**  
**Title No. 001429** Rental \$12.50 Sale \$107.75  
Presents a general overview of State Education agencies, their growth, responsibilities, relationships to other state agencies, organization, functions, and problems, and the State Education Agency, Handbook VII. The development, content, and uses of Handbook VII are presented to motivate implementation of the Handbook as an aid to enhance the work of State Education agencies.

**\*TOWARD FULL INTEGRATION**

29 min, 16mm film, optical sd, col 1970  
**Producer USN** Agency No. MN10779  
**Title No. 754645** Sale \$117.25  
Provides insights into the obstacles faced by minorities and ways a supervisor can encourage and assist in moving minorities into more responsible positions.

**TOWARD THE UNEXPLORED**

26 min, 16mm film, optical sd, col 1967  
**Producer USAF** Agency No. SFP 1385  
**Title No. 003688** Sale \$88.00  
Traces the history of Muroc Dry Lake, Edwards AFB, California as an air proving ground and research center since the early days of aviation. Documents experiments in rocketry and with X-series, V-stol and fixed wing aircraft. Points out rocket propulsion laboratory's work in missile development. Cites Edwards' prominent position in USAF space age research.

CLEARED FOR TV.

**TOWBOATS A'COMIN'**

28 min, 16mm film, optical sd, col 1967  
**Producer USAE**  
**Title No. 003689** Sale \$109.00  
Describes a multi-purpose project for developing the Arkansas River for navigation and depicts tomorrow's linking of Arkansas and eastern Oklahoma to the nation's system of inland waterways. Dramatic construction photography and significant previews of what this development will mean toward unlocking the natural resources of the region including recreation.

**TOWER OF LEARNING**

20 min, 16mm film, optical sd, col 1961  
**Producer USIA** Agency No. 01-02479  
**Title No. 754780** Rental: W/DRAWN Sale: W/DRAWN  
Describes how 18 nationality groups in Pittsburgh, Pennsylvania, worked together to create, at University of Pittsburgh's Tower of Learning, 18 nationality rooms which serve as monuments to the 18 cultures represented and as a symbol of the University's broad program of international cultural and educational exchange. Shows each of the rooms.

**TOWER TO THE SKY**

28 min, 16mm film, optical sd, col 1966  
**Producer USCG**  
**Title No. 754790** Sale \$113.50  
Tells the story of the construction of a Coast Guard LORAN station on the primitive western Pacific island of Yap as told by an elder of the island community. Portrays the initial antagonism of the community regarding the construction of the station and its change of attitude by the time the station was completed.

CLEARED FOR TV.

**TOWING LIGHTS**

7 min, 16mm film, optical sd, col 1948  
**Producer USN** Agency No. MN00202E  
**Title No. 003690** Sale \$24.50  
Gives light specifications for tows. Shows lights for submerged tows, vessels in tow, barges, canal boats, scows, and dump scows in New York Harbor.

**TOWN MEETING OF THE WORLD**

30 min, 16mm film, optical sd, b&w 1952  
**Producer USA**  
**Title No. 003691** Rental \$12.50 Sale \$32.50  
Defines the General Assembly of the United Nations as a 'town meeting of the world,' and explains its functions, organization, and operations.

**TOWN OF THE TIMES**

26 min, 16mm film, optical sd, col 1963  
**Producer USOCD** Agency No. DODCD20-222  
**Title No. 003692** Sale \$88.00  
Demonstrates the arguments a town is faced with when civil defense questions come up.

CLEARED FOR TV.

**TOWN, THE**

13 min, 16mm film, optical sd, b&w 1944  
**Producer USOWIO**  
**Title No. 003693** Rental \$7.50 Sale \$28.50  
Shows life in an American town, Madison, Indiana, and explains the democratic characteristics of the social and civic life of the people.

**TOXIGENICITY TEST OF C DIPHTHERIAE**

13 min, 16mm film, optical sd, col 1962  
**Producer USNMAC** Agency No. M-0569  
**Title No. 003735** Sale \$45.25  
Explains procedures of the in-vitro test and animal tests for the detection of toxigenic strains of corynebacterium diphtheriae. Shows preparation of materials and interpretation of results of the tests.

**\*TRACEBACK**

13 min, 16mm film, optical sd, col 1960  
**Producer USDA** Agency No. 1507-R  
**Title No. 004006** Sale \$62.00  
Outlines the basic steps involved in the use of a uniform back-tagging system as a means of identifying and tracing to the herds of origin brucellosisinfected cattle detected through blood-testing on the way to or at slaughter. Shows advantages of the system of beef producers, including possible use of tracing procedures to detect and eliminate other livestock diseases.

**TRACHEAL TRIANGLE, THE**

8 min, 16mm film, optical sd, col 1969  
**Producer USVA** Agency No. D-50A  
**Title No. 003736** Sale \$41.75  
The boundaries and major structures of the tracheal triangle, also known as the muscular or interior carotid triangle, are demonstrated in this anterior neck dissection. Drawings are also used for clarification.

**TRADITION IN MUSIC, A**

28 min, 16mm film, optical sd, col 1969  
**Producer USN** Agency No. MN10679  
**Title No. 003737** Sale \$113.50  
Shows the U S Navy Band during rehearsals and recording sessions, and shows the work involved in keeping the Band in shape.

**\*TRAFFIC SAFETY ADVANCED DRIVING - THE GREATER ADVENTURE**

26 min, 16mm film, optical sd, col 1969  
**Producer USAF** Agency No. TF 6374  
**Title No. 755820** Sale \$105.50  
Dramatizes the relationship between traffic safety attitudes and society, and points out the individual responsibilities to self and society.

## TRAINING AIDS

23 min, 16mm film, optical sd, b&w 1956  
Producer USAF Agency No. TF21-2305  
Title No. 756299 Sale \$40.50  
Describes the types, characteristics, and uses of simple and complex training aids, including chalkboards, filmstrips, slides, transparencies, working models, and motion pictures.

## TRAINING AIDS - CLASSROOM UTILIZATION

15 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN06753B  
Title No. 756300 Sale \$27.00  
Shows how a good Navy instructor conducts a classroom lesson with the use of training aids.

## TRAINING AIDS - SELECTION AND PLANNING

16 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN06753A  
Title No. 756320 Sale \$28.50  
Shows how a Navy instructor selects and plans the use of training aids. Tells how pictures, still pictures, charts, models, and mock-ups are fitted into his lesson plans, and how he checks classroom, equipment, and aid prior to use.

## TRANSFER FROM BED TO WHEELCHAIR WITH ASSISTANCE

7 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-913  
Title No. 003739 Sale \$24.50  
Shows a step-by-step procedure of how to transfer the hemiplegic patient from a low bed to a sitting position - then to a standing position and then completing the transfer to a wheelchair with the assistance of an attendant during the different steps.

## TRANSFER MOLDING - MOLDING A PART WITH INSERTS

10 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 470  
Title No. 756650 Rental \$5.00 Sale \$17.50  
Explains how transfer molding differs from compression molding. Shows how to mold a part by the transfer method and coordinate steps of the molding cycle.  
From the PLASTICS series. No. 5

## TRANSFERRING FROM WHEELCHAIR TO BED AFFECTED SIDE OF PATIENT NEXT TO BED

6 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1248  
Title No. 003740 Sale \$19.50  
Demonstrates technique of transferring patient from a wheelchair to a bed with his affected side next to the bed.

## TRANSFERRING FROM WHEELCHAIR TO BED NON-AFFECTED SIDE OF PATIENT NEXT TO BED

5 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1249  
Title No. 003741 Sale \$16.25  
Demonstrates technique of transferring patient from a wheelchair to a bed with his non-affected side next to the bed.

## TRANSFERRING FROM WHEELCHAIR TO BED WITH MAXIMAL ASSISTANCE

4 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1262  
Title No. 003742 Sale \$14.75  
Shows the safest and easiest way to transfer from wheelchair to bed the patient who needs maximal assistance.

## TRANSFERRING THE PATIENT WITH ARTHRITIS

9 min, 16mm film, optical sd, col 1968  
Producer USNMAC Agency No. M-2013-X  
Title No. 003743 Sale \$35.25  
Demonstrates the proper transfer of the patient with arthritis, a technique often neglected but which can contribute much to the comfort of the afflicted person. These fundamental principles may apply to any patient whether on medical or surgical service.

## TRANSFORMERS

30 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-207  
Title No. 003744 Sale \$62.50  
Defines transformer action, step-up and step-down, turns ratio, and coefficient of coupling. Gives examples of determining the step-up or step-down ratio and coefficient of coupling. Describes and illustrates the relationship between the magnitude of voltage and current in a transformer. Shows the symbols of power, audio, RF, and auto-transformers. Demonstrates the procedure for testing a transformer for opens and shorts, and how to identify a step-up or a step-down type transformer. (Kinescope)

## TRANSISTOR FM DETECTOR

35 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-622  
Title No. 003745 Sale \$72.50  
Discusses the characteristics of a symmetrical transistor and reviews phase relationship of voltage and current in a transformer. Using the vector analysis, explains the operation of the FM detector at the center frequency of the input, at frequencies above the center frequency, and at frequencies below the center frequency. (Kinescope)

## TRANSISTOR FM OSCILLATOR

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-607  
Title No. 003746 Sale \$60.50  
Compares the transistor FM oscillator and the reactance tube modulator. Reviews the characteristics of a simple PN junction, before explaining the operation of the circuit, explaining how the depletion region is established and how it can be used as a variable capacitance under a changing reverse bias. Shows how the voltage variable capacitor can be used in conjunction with an oscillator to make up a transistor FM oscillator. Explains the operation of the FM oscillator, emphasizing the fact that a positive input decreases the output frequency and a negative input increases the output frequency. (Kinescope)

## TRANSISTOR TETRODES AND FIELD EFFECT TRANSISTORS

14 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-321A  
Title No. 003747 Sale \$30.75  
Introduces transistor tetrodes and discusses their fundamental characteristics and elements. Introduces the field effect transistor and covers its basic characteristics. (Kinescope)

## TRANSISTOR TRIODE CHARACTERISTICS

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-319  
Title No. 003748 Sale \$54.75  
Illustrates how to draw load lines from characteristic curves for CE and CB configurations. Defines 'alpha' and 'beta' as they pertain to transistors. Shows how to solve for actual current gain, voltage gain, and power gain for CB configuration, using characteristic curves and load lines. (Kinescope)

## TRANSISTOR TRIODES

7 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-309  
Title No. 003749 Sale \$38.50  
Explains derivation of the word 'transistor', identifies the elements of a PNP and an NPN transistor, by using block diagrams. Discusses a method of remembering P- and N-type materials and the relative size of the transistor element. (Kinescope)

## TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON-COLLECTOR CONFIGURATION

16 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-318  
Title No. 003751 Sale \$83.00  
Provides information designed to enable the student to identify and state the purpose of various elements in NPN and PNP transistor common collector circuits.

## **TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - OPERATION**

21 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-314  
Title No. 003753 Sale \$44.50  
Illustrates the three configurations of transistor circuits and traces the current flow. Explains the amount of current in each part of a transistor circuit and the effect of an increase in total current in a transistor circuit. (Kinescope)

## **TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - BIAS I**

27 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-310  
Title No. 002719 Sale \$56.50  
Discusses and illustrates forward and reverse bias of a PN junction and requires the student to draw a block diagram with forward bias and one with reverse bias. Shows how an NPN transistor is forward and reverse biased for efficient operation. (Kinescope)

## **TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - BIAS II**

27 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-312  
Title No. 003750 Sale \$56.50  
Discusses the depletion area at the junctions of a transistor, followed by an explanation of the effect of forward and reverse biasing on the majority and minority carriers in both. (Kinescope)

## **TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON-BASE CONFIGURATIONS**

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-316  
Title No. 002929 Sale \$60.50  
Shows and discusses the schematic representation of a common-base transistor circuit, giving the identifying characteristics for a PNP and an NPN type. Explains the purpose of each components.

## **TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES - COMMON-EMITTER CONFIGURATION**

40 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK30-317  
Title No. 006385 Sale \$82.25  
Shows a schematic representation of the common-emitter transistor configuration and explains how an input signal affects the current and voltage in the circuit. Discusses the purpose of each component. (Kinescope)

## **TRANSISTORIZED HARTLEY OSCILLATOR**

40 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-519  
Title No. 003754 Sale \$82.25  
Discusses the transistorized version of both the series and Shunt Hartley oscillators. Compares the two while emphasizing the following points--circuit identification, purpose of each component, direct current paths, feedback paths and the effects of varying feedback. Also discusses the effect of a buffer amplifier on the oscillator's output. (Kinescope)

## **TRANSISTORIZED REGULATED POWER SUPPLY**

24 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-100  
Title No. 003755 Sale \$50.75  
Explains the advantages of a regulated supply, how regulation is accomplished using simplified schematics, and the purpose of each control, as well as suggested operating procedure. (Kinescope)

## **TRANSISTORS - HIGH FREQUENCY OPERATION AMPLIFIERS AND OSCILLATORS**

14 min, 16mm film, optical sd, b&w 1959  
Producer USAF Agency No. MN08479E  
Title No. 757150 Rental \$7.50 Sale \$25.50  
Describes how transistors operate in high frequency amplifier and in oscillator circuits. Shows the influence of transit effects in the base and explains the effect of collector capacitance and base resistance on high frequency performance.

## **TRANSISTORS - LOW FREQUENCY AMPLIFIERS**

14 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN08479D  
Title No. 757151 Rental \$7.50 Sale \$27.00  
Shows how transistors are used to amplify low frequencies in common base, common emitter, and common collector circuits. Explains transistor functions for a common base amplifier and a common emitter amplifier and refined common emitter amplifier circuits.

## **TRANSISTORS - MINORITY CARRIERS**

10 min, 16mm film, optical sd, b&w 1958  
Producer USN Agency No. MN8479C  
Title No. 757160 Rental \$5.00 Sale \$17.50  
Introduces the principles of minority carriers, shows how they produce a small reverse current under normal conditions, and demonstrates the limitations imposed on transistor behavior by minority carriers when the transistor is heated or loaded.

## **TRANSISTORS - P-N JUNCTION FUNDAMENTALS**

11 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. MN08479A  
Title No. 757153 Rental \$5.00 Sale \$19.25  
Explains the theory and mechanisms of semi-conductor diodes and transistor action and discusses the fundamental principles which apply to all transistors and junction rectifiers.

## **TRANSISTORS - SERVICING TECHNIQUES**

17 min, 16mm film, optical sd, b&w 1960  
Producer USN Agency No. MN08479G  
Title No. 757156 Rental \$7.50 Sale \$30.50  
Discusses common types of transistor failures such as opens, short, high leakage current, low gain and problems in localizing them. Demonstrates with over-the-shoulder camera views the techniques which must be used with transistorized equipment

## **TRANSISTORS - SWITCHING**

14 min, 16mm film, optical sd, b&w 1959  
Producer USN Agency No. MN8479F  
Title No. 757152 Rental \$7.50 Sale \$25.50  
Shows examples of switching circuits in transistorized computers. Explains briefly the concept of digital computation and how transistors are used. Tells simple transistor switch works, with special attention to minority carrier storage in the base, showing how delaying effects of storage are overcome.

## **TRANSISTORS - TRIODE FUNDAMENTALS**

11 min, 16mm film, optical sd, b&w 1957  
Producer USN Agency No. MN08479B  
Title No. 751154 Rental \$5.00 Sale \$19.25  
Shows that junction transistors, or triodes, consist of three sections with two PN junctions separating them, and discusses the fundamentals of this arrangement as an amplifying device.

## **TRANSISTORS, PT 1, INTRODUCTION**

17 min, 16mm film, optical sd, b&w 1961  
Producer USA Agency No. TF11-3046  
Title No. 003756 Sale \$40.00  
Explains elements and operations of NPN and PNP transistors. Shows application and operation of high, medium, and low powered transistors and describes their capabilities.  
**RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.**

## **TRANSISTORS, PT 2, SEMICONDUCTORS AND SEMICONDUCTOR DIODES**

27 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3047  
Title No. 003757 Sale \$56.50  
Illustrates composition and properties of crystal diodes and depicts semiconductor materials used in their manufacture.  
**RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.**

## **TRANSISTORS, PT 3, NPN TRANSISTORS**

23 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF11-3048  
Title No. 003758 Sale \$52.00  
Depicts construction, and properties of NPN transistors.

\* INDICATES NEW ENTRY

Shows how they function in basic transistor circuits and explains how current flow and amplification are achieved.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSISTORS, PT 4, PNP TRANSISTORS

26 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3049  
Title No. 003759 Sale \$54.50  
Explains the characteristics of PNP transistors and compares their capabilities and functioning to NPN types. Explains flow of current through the circuit.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSISTORS, PT 5, TRANSISTOR AMPLIFIER AND OSCILLATOR CIRCUITS

30 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3050  
Title No. 003760 Sale \$68.75  
Explains and illustrates features and operations of class A and B and tuned amplifier circuits and oscillator circuits. Includes the Armstrong and Hartley types.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSISTORS, PT 6, TRANSISTORS IN PULSE APPLICATIONS

39 min, 16mm film, optical sd, b&w 1963  
Producer USA Agency No. TF11-3051  
Title No. 003761 Rental \$12.50 Sale \$66.75  
Describes uses of transistors in pulse applications. Gives characteristics and application of three basic types of waveforms or pulses. Covers square, saw tooth, and spiked pulses. Shows how transistors form various types of multivibrators. Gives features of AND, NAND, and NOR gates. to professional  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSISTORS, PT 7, TROUBLESHOOTING TRANSISTOR CIRCUITS

31 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3052  
Title No. 003762 Sale \$64.25  
Shows how to check, search, localize and isolate malfunctions. Also covers safety measures.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSISTORS, PT 8, REPAIRING TRANSISTOR CIRCUITS

28 min, 16mm film, optical sd, b&w 1962  
Producer USA Agency No. TF11-3053  
Title No. 003763 Sale \$58.50  
Presents equipment and techniques for repairing soldered joints, cracks and delaminated conductors. Shows how to test circuits and remove and replace lead and flush-mounted circuit components.  
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.

#### TRANSMISSION LINES

20 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-613  
Title No. 006413 Sale \$42.50  
Discusses the types of transmission lines such as--the open two-wire line, the twin lead line, the twisted pair, flexible coaxial cable, and rigid coaxial cable. Explains the major types of losses occurring in transmission lines--radiation, dielectric and copper, (including skin effect) losses, and the particular loss or losses associated with each type of line. (Kinescope)

#### TRANSMISSION SECURITY

19 min, 16mm film, optical sd, b&w 1948  
Producer USN Agency No. MN 2621 D  
Title No. 757290 Sale \$33.75  
Cautions radio operators against any action which might reveal a location or aid the enemy in any way. Points out the danger in sneaking out messages, sending unauthorized messages, and cutting in.

#### TRANSMISSION, DRIVE SHAFT, AND DIFFERENTIAL

14 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 485  
Title No. 757260 Rental \$7.50 Sale \$25.50  
Tells how to check the transmission gear shift mechanism,

drive shaft, and differential. Shows how to test their running condition.

From the AUTOMOTIVE OPERATION AND MAINTENANCE Series. Preventive Maintenance, No. 9

#### TRANSPORT CRASH SAFETY TESTS, PT 1

15 min, 16mm film, optical sd, col 1964  
Producer USFAA Agency No. FA-0515  
Title No. 003764 Sale \$51.75  
Explains the purpose and procedures used in the Phoenix Crash Safety Tests in 1964. Analyzes fuselage and wing break-up, fuel spray patterns, and seat and cargo restraint during a typical crash landing or take-off accident.

#### TRANSPORT CRASH SAFETY TESTS, PT 2

26 min, 16mm film, optical sd, col 1966  
Producer USFAA Agency No. FA-0615  
Title No. 003765 Sale \$88.00  
Explains the purpose and procedures used in the Phoenix Crash Safety Tests in 1964. Provides crash and impact load data and information related to a full scale crash of a large transport aircraft under conditions normally considered to be survivable.

#### TRANSPORTATION OF RADIOACTIVE MATERIALS, PT 2, ACCIDENTS

35 min, 16mm film, optical sd, b&w 1965  
Producer USAEC  
Title No. 004396 Sale: W/DRAWN  
Atomic Energy Commission Safety Engineer Francis L. Brannigan discusses the control of transportation accidents involving radioactive materials. Explains that only a small proportion of shipments of radioactive materials can present any real danger in the event of accident, shows the shipping labels which are used, and explains the regulations relating to individual packages.

#### TRANSPORTATION OF THE INJURED

14 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-0802  
Title No. 003766 Sale \$47.00  
Teaches the individual how to take care of his medical and health needs in time of disaster when medical assistance might not be readily available.

From the MEDICAL SELF-HELP series.

RESTRICTIONS--ORGANIZATIONS WISHING TO PURCHASE THIS FILM MUST FIRST REQUEST WRITTEN PERMISSION FROM THE CHIEF OF TRAINING, DIVISION OF EMERGENCY HEALTH SERVICES, PUBLIC HEALTH SERVICE, U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, 6025 BELMONT ROAD, WEST HYATTSVILLE, MARYLAND 20782. AFTER PERMISSION HAS BEEN OBTAINED, ATTACH TO THE PURCHASE ORDER A STATEMENT OF APPROVAL AND SEND TO N A C.

#### TRANSPORTATION OF THE SICK AND WOUNDED

27 min, 16mm film, optical sd, b&w 1964  
Producer USA Agency No. TF08-3485  
Title No. 003767 Sale \$47.00  
Patient evacuation in the field by means of manual carries, animal carries, and military vehicles and aircraft.

#### TRANSPORTATION, U.S.A

22 min, 16mm film, optical sd, col 1966  
Producer USIA Agency No. 01-02659  
Title No. 004693 Rental: W/DRAWN Sale: W/DRAWN  
Visualizes without commentary the air, water, rail and highway transportation systems in the United States. Indicates that modern technology has been able to integrate the systems to expedite movement of people and materials throughout U.S. states and regions.

#### TRAPEZOIDAL SWEEP GENERATOR - TSTR

33 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-820  
Title No. 003768 Sale \$68.25  
Using a diagram, shows how the transistor trapezoidal sweep generator can be identified. Explains the purpose of the circuit components and develops a step-by-step analysis of the circuit's operation. Shows and explains the effect on the output waveform, to emphasize the responsibility of the two output components. Constructs and discusses input and output waveforms. (Kinescope)

**TRAPEZOIDAL SWEEP GENERATOR - VT**

39 min. 16mm film, optical sd, b&amp;w

Producer USAF

Title No. 003769

Agency No. TVK 30-819

Sale \$80.25

Explains a typical radar indicator and television receiver, making specific reference to the type of deflection used in each system. Continues by developing the required waveform necessary for electromagnetic deflection. Shows the circuit used to produce a trapezoidal waveform, explains the purpose of each component, analyzes circuit operation, and develops output waveforms. Shows waveforms with the aid of an oscilloscope. (Kinescope)

**TRAPPED (RESCUE WORK)**

20 min. 16mm film, optical sd, b&amp;w 1962

Producer USDOD

Title No. 757720

Agency No. CD-20-104

Sale \$35.25

Graphically emphasizes the need for trained rescue workers and shows many of the risks as well as the rewards of rescue.

**TRAPPING OF FREE RADICALS AT LOW TEMPERATURES**

14 min. 16mm film, optical sd, col 1960

Producer USNBS

Title No. 757804

Agency No. T-1897A

Sale \$47.00

Gives basic explanation of free radicals and their behavior. Shows one unique experiment at the Bureau of Standards, giving step by step procedure of trapping and storing the elusive, highly reactive molecular fragments designated as free radicals. Research is performed at temperatures within a few degrees of absolute zero. Glows and flashes of brilliant color, emanating from free radicals trapped in a solid matrix of frozen gas, create spectacular passages in the film.

**TRAUMATIC AND CHEMICAL ASPHYXIATION, PT 1**

28 min. 16mm film, optical sd, b&amp;w 1970

Producer USNMAC

Title No. 003770

Agency No. T-1897A

Sale \$57.50

Discusses natural and traumatic causes of asphyxiation, for example--strangulation, suffocation, drowning, inhalation of suffocating gases, pressure on the chest, strangulation due to food swallowing, carbon monoxide poisoning, glue sniffing, and anesthetic gases. (Kinescope)

RECOMMENDED FOR PROFESSIONAL GROUPS ONLY. RESIDENTS, OTHER MEDICAL PROFESSIONAL PERSONNEL, AND RESEARCH AND SOCIAL WORKERS IN THE FIELD OF MEDICINE CLEARED FOR USE ON EDUCATIONAL CLOSED-CIRCUIT TELEVISION ONLY. PRODUCED BY THE NATIONAL MEDICAL AUDIOVISUAL CENTER IN COOPERATION WITH DR NORMAN ENDE, PROFESSOR OF PATHOLOGY, EMORY UNIVERSITY SCHOOL OF MEDICINE, ATLANTA, GA. DISCUSSED BY DR MILTON HELPERN, CHIEF MEDICAL EXAMINER OF THE CITY OF NEW YORK.

**TRAUMATIC AND CHEMICAL ASPHYXIATION, PT 2**

28 min. 16mm film, optical sd, b&amp;w 1970

Producer USNMAC

Title No. 003771

Agency No. T-1897B

Sale \$56.50

Discusses natural and traumatic causes of asphyxiation, for example--strangulation, suffocation, drowning, inhalation of suffocating gases, pressure on the chest, strangulation due to food swallowing, carbon monoxide poisoning, glue sniffing, and anesthetic gases. (Kinescope)

RECOMMENDED FOR PROFESSIONAL GROUPS ONLY. PRODUCED BY THE NATIONAL MEDICAL AUDIOVISUAL CENTER IN COOPERATION WITH DR NORMAN ENDE, PROFESSOR OF PATHOLOGY, EMORY UNIVERSITY SCHOOL OF MEDICINE, ATLANTA, GA. DISCUSSED BY DR MILTON HELPERN, CHIEF MEDICAL EXAMINER OF THE CITY OF NEW YORK.

**TRAVELING WAVE TUBE**

24 min. 16mm film, optical sd, b&amp;w

Producer USAF

Title No. 003773

Agency No. TVK 30-912

Sale \$50.75

Points out some of the uses of the traveling wave tube. Explains purpose of each component and explains the basic operation of the tube as an amplifier. Discusses advantages and limitations of the tube. (Kinescope)

**\*TREATMENT - NEW TEAMS**

10 min. 16mm film, optical sd, col

1971

Producer USNIMH

Title No. 002214

Available only as part of a series. Examines the use of para-professionals as a resource for the professional coming in contact with drug and drug-related programs. Illustrates the relationship between them and professionals working with the programs.

From the **PROFESSIONAL DRUG FILMS** series.

RECOMMENDED FOR PROFESSIONAL USE ONLY.

**TREATMENT OF CARDIAC ARRHYTHMIAS BY DRUGS AND ELECTRICITY, THE**

90 min. 16mm film, optical sd, b&amp;w

1968

Producer USNMAC

Agency No. T-1876-X

Title No. 003774

Sale \$187.00

Attempts to clarify current usage of drugs and electrical devices for the control of cardiac arrhythmias. Emphasizes arrhythmias during acute myocardial infarction, application of transvenous pacemaker, indications and complications from cardioversion, and treatment of digitalis-induced arrhythmias.

**TREATMENT OF INFRABONY POCKET WITH THREE OSSOUS WALLS**

14 min. 16mm film, optical sd, col

1968

Producer USVA

Agency No. D-45-PE

Title No. 003775

Sale \$48.00

Demonstrates the surgical management of an infrabony pocket involving the maxillary premolar. The periodontal ligament and bone marrow are used to provide two sources of repair tissue. The teeth are then immobilized with an aid splint which is made of twisted wire imbedded with plastic in a prepared groove.

**\*TREATMENT OF THE HEMOPHILIOID DISORDERS**

31 min. 16mm film, optical sd, b&amp;w

1969

Producer USNMAC

Agency No. T-1695

Title No. 004694

Sale W/DRAWN

Reviews the three most common hemophilioid disorders and treatment for each--classical hemophilia (factor II deficiency), hemophilia (factor IX deficiency), and Von Willebrand's disease (factor VIII and long bleeding time). Stress is placed on factor VIII fractions and plasma concentrates. (Kinescope)

**\*TREE GROWS FOR CHRISTMAS, A**

11 min. 16mm film, optical sd, col

1949

Producer USDA

Agency No. 1040

Title No. 758920

Sale \$51.00

Tells the story of the Christmas tree in history and legend and of the Christmas tree industry today. Illustrates how trees are cut and marketed and how a tree should be handled in the home.

**\*TREE IS BORN, A**

29 min. 16mm film, optical sd, col

1959

Producer USDA

Agency No. 1293

Title No. 001918

Sale \$131.00

Shows the techniques Forest Service researchers employ to produce hybrid pines through controlled pollination and through the selection of superior pines and use of their natural seed. Shows a pine cone opening and tree seeds germinating and growing.

**TRIAL BALANCE**

27 min. 16mm film, optical sd, col

1965

Producer USNASA

Agency No. HQ-123

Title No. 002215

Sale \$117.25

Shows how new knowledge in space science has been gained through analysis of information acquired from spacecraft. Includes satellite studies of the Van-Allen radiation belt, solar winds and solar flares, photographs of Mars, and other space phenomena.

**TRIBUTE TO PRESIDENT HERBERT CLARK HOOVER, A, 1874-1964**

11 min, 16mm film, optical sd, b&w 1964  
**Producer USDOOD** Agency No. AFMR 0633  
**Title No. 760170** Sale \$23.25  
 Highlights President Hoover's ability as an organizer and his humanitarian work as a food administrator in World Wars I and II. Cites his contribution to government reorganization as Secretary of Commerce and as an elder statesman and advisor to presidents.

**\*TRIESTE TO LAMPEDUSA**

15 min, 16mm film, optical sd, b&w 1950  
**Producer USECA**  
**Title No. 760204** Rental \$7.50  
 Describes a Triestean fishing fleet, made possible through Marshall Aid, sailing from Trieste to the Italian island of Lampedusa in the Mediterranean Sea for the summer fishing season. Produced for European use.

**TRIODE LIMITERS**

24 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-504  
**Title No. 003801** Sale \$50.75  
 Discusses how limiting is accomplished using a triode tube. Describes the characteristics and operation of the cut-off limiter, the saturation limiter, and the over-driver limiter, and explains the effect on limiting when bias is changed. (Kinescope)

**TRIODE VACUUM TUBES - CONSTRUCTION AND CHARACTERISTICS**

16 min, 16mm film, optical sd, b&w  
**Producer USAF** Agency No. TVK 30-407  
**Title No. 003802** Sale \$34.25  
 Presents the theory of operation of the triode amplifier, using electrostatic fields as a means of explaining electron movement when the grid potential ranges from a negative to a positive state. Demonstrates the effect on plate current and voltage when the grid has a small AC signal on it. (Kinescope)

**TRIODE, THE - AMPLIFICATION**

14 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 177  
**Title No. 760600** Rental \$7.50 Sale \$25.50  
 Gives principles of the diode and triode, electric fields, a triode amplifier circuit, amplification of DC voltage changes, alternating voltages, distortion, and amplification of audio frequency signals.  
 From the ENGINEERING series. Electronics, No. 3

**TRIP STEEL**

11 min, 16mm film, optical sd, col 1968  
**Producer USAER**  
**Title No. 003803** Sale \$79.50  
 TRIP (Transformation-induced-plastic) is a new series of thermo-mechanically treated, highly alloyed steels combining high ductility and high strength, developed from AEC-SUPPORTED basic research in metallurgy at the University of California in Berkley. Tensile ductilities of 25% to 50% at strength levels above 200,000 psi are obtainable. The steels can be produced having wide ranges of composition and properties. Through closeup photography, the film shows the transformation that occurs in TRIP steel as load is applied to both notched and tensile specimens.

**TRIP TO WHERE, A**

50 min, 16mm film, optical sd, col 1968  
**Producer USN** Agency No. MN10494  
**Title No. 003804** Sale \$168.25  
 Illustrates the harmful effects of the misuse of drugs such as barbiturates, amphetamines, marijuana and LSD.

**TROPIC SEACOAST SURVIVAL**

23 min, 16mm film, optical sd, col 1961  
**Producer USAF** Agency No. TF01-5376  
**Title No. 761590** Sale \$78.25  
 Explains the teaching procedures and techniques to be followed for survival along tropical seacoasts.

**TROUBLE SHOOTING PROBLEMS - FUEL INDUCTION**

17 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 276  
**Title No. 761655** Sale \$35.75  
 Shows how to trouble shoot the fuel system for failure to develop full power, for rough running at idling speed, and for overheating  
 From the AIRCRAFT WORK series. Power Plant Maintenance

**TROUBLE SHOOTING PROBLEMS - IGNITION**

19 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 275  
**Title No. 761660** Sale \$39.25  
 Describes how to locate trouble within the ignition system when an engine fails to start, when it runs rough, and when it fails to develop full power.  
 From the AIRCRAFT WORK series. Power Plant Maintenance

**TROUBLE SHOOTING PROBLEMS - MECHANICAL AND LUBRICATION**

10 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 274  
**Title No. 761665** Sale \$21.00  
 Shows how to check symptoms and locate causes of an airplane engine's running 'rough,' of low oil pressure, and of high oil temperature.  
 From the AIRCRAFT WORK series. Power Plant Maintenance

**TROUBLE SHOOTING YOUR CAR**

12 min, 16mm film, optical sd, b&w 1945  
**Producer USOE** Agency No. OE 490  
**Title No. 761670** Rental \$7.50 Sale \$22.25  
 Shows what a driver should do to locate and correct minor car troubles and how to recognize symptoms of impending trouble.  
 From the AUTOMOTIVE OPERATION AND MAINTENANCE series. Automobile Operation, No. 5

**TRUE STANDARD, A**

12 min, 16mm film, optical sd, col 1954  
**Producer USNBS**  
**Title No. 762538** Sale \$42.00  
 Shows the importance of accurate and uniform standards of weights, how the international, as well as the national, standards are translated, step by step, through the complex down to the simplest weighing and measuring activities that take place in trade and industry. Shows how absolute accuracy and uniformity of standards are matters of great economic importance to everyone.

**TT-47/UG TELETYPEWRITER - GENERAL PRINCIPLES AND OPERATION**

16 min, 16mm film, optical sd, b&w 1953  
**Producer USN** Agency No. MN 7467A  
**Title No. 005296** Sale \$28.50  
 Explains how teletypewriters are used in the Navy's communications system and demonstrates for the operators, the basic principles of operation use of the various function keys, and correct procedures for setting messages and securing the machine.

**TT-47/UG TELETYPEWRITER - PREVENTIVE MAINTENANCE**

6 min, 16mm film, optical sd, b&w 1953  
**Producer USN** Agency No. FN 7467C  
**Title No. 763242** Sale \$11.00  
 Explains the importance of frequent checks and stresses the preventive maintenance technique which should be done by the operator rather than maintenance personnel. Shows cleaning, oiling, and minor adjusting of the machine.

**TUBE BENDING BY HAND**

15 min, 16mm film, optical sd, b&w 1943  
**Producer USOE** Agency No. OE 142  
**Title No. 763240** Rental \$7.50 Sale \$27.00  
 Shows why tubes must be bent for installation in airplanes. Tells how to set up the tube bending machine for the job, and how the various parts of the machine function.  
 From the AIRCRAFT WORK series.

**TUBE TESTER OPERATION**

9 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN 1540P  
Title No. 763250 Rental \$5.00 Sale \$15.75  
Tells how to use testers to check cathode emission and dynamic mutual conductance

**TUBERCULIN TESTING**

10 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN 8951  
Title No. 003805 Sale \$34.00  
Demonstrates the procedures for administering and interpreting the PPD tuberculin test.

**TUBERCULIN TESTING, PT 1, TUBERCULINS**

7 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-1016  
Title No. 003806 Sale \$22.75  
One of a series. Shows briefly the procedures involved in the preparation of purified protein derivatives and in particular the preparation of PPD-S used in tuberculin testing.

**TUBERCULIN TESTING, PT 1, TUBERCULINS (SPANISH)**

7 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-1016-SP  
Title No. 003807 Sale \$22.75  
Shows briefly the procedures involved in the preparations of purified protein derivatives and in particular the preparation of PPD-S used in tuberculin testing.

**TUBERCULIN TESTING, PT 2, ADMINISTRATION TECHNIQUES**

6 min, 16mm film, optical sd, col 1965  
Producer USNMAC Agency No. M-1017  
Title No. 763266 Sale \$19.50  
One of a series. Shows the equipment needed and the techniques required to give the Mantoux tuberculin test.

**TUBERCULOSIS**

10 min, 16mm film, optical sd, col 1945  
Producer USIAA Agency No. 08-10073  
Title No. 003808 Rental \$7.50 Sale \$43.00  
Demonstrates, by animation, the characteristics of tuberculosis, its method of entry into the body, and emphasizes protective measures which the family can undertake to prevent this disease.  
From the *HEALTH FOR THE AMERICAS* series.

**TUBERCULOSIS--LABORATORY AIDS TO DIAGNOSIS AND TREATMENT**

13 min, 16mm film, optical sd, col 1964  
Producer USNMAC Agency No. M-0719  
Title No. 003809 Sale \$45.25  
Illustrates the most recent development in laboratory procedures that are available to aid to physicians in diagnosing and treating tuberculosis patients. Emphasizes up-to-date rapid culture techniques, direct drug susceptibility testing, and the differentiation of unclassified mycobacteria.

**TULSA, OKLAHOMA**

20 min, 16mm film, optical sd, b&w 1950  
Producer USA Agency No. OE 313  
Title No. 003810 Rental \$7.50 Sale \$42.50  
Depicts the history of the city of Tulsa, Oklahoma.

**TUNED BASE OSCILLATOR**

30 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-51  
Title No. 003811 Sale \$62.50  
Compares the tuned base oscillator circuit and the tuned grid oscillator. Points out how each of the four requirements for oscillation is met in the tuned base oscillator. Explains the check for oscillation and the symptoms which would occur for an component failure. (Kinescope)

**TUNED CIRCUITS**

28 min, 16mm film, optical sd, b&w 1954  
Producer USA Agency No. TF11-1831  
Title No. 003812 Sale \$48.75  
Explains the theories behind the electronics of tuned circuits and the application of these theories to a practical radio receiver layout and to a radio transmitter.

**TUNED PLATE OSCILLATOR**

19 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. TVK 30-516  
Title No. 003813 Sale \$40.50  
Develops and explains the major differences between an RF and an audio oscillator. Shows the purpose of each component in the schematic diagram. Circuit analysis points out the values of circuit components in an RF oscillator, the feedback path, and three methods of checking for oscillations. (Kinescope)

**\*TURBAN TUMOR**

6 min, 16mm film, optical sd, col 1965  
Producer IDCE  
Title No. 004695 Sale: W/DRAWN  
Describes the case of a 59-year old woman afflicted with turban tumors and the surgical measures taken to correct the condition.

**TURBOPROP/TURBOSHAFT ENGINES - INTRODUCTION**

13 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN08812A  
Title No. 003814 Sale \$45.25  
Outlines the theory of operation of turboprop and turboshaft engines with comparison to the turbojet engine. Shows testing and assembly of engine components in manufacture and the maintenance and operation of the engines.

**\*TURKISH - BASIC COURSE, UNITS 1-30**

27 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004127 Sale \$87.75  
Cassettes and accompanying text are both available for \$93.50.

**OTHER FORMAT(S) OR VER. : (S)**

52 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004128 Sale \$144.75  
Tape set and accompanying text & e both available for \$150.50

**TURNING A CYLINDER BETWEEN CENTERS**

17 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 313  
Title No. 764700 Rental \$7.50 Sale \$30.50  
Points out how to choose stock and mount it on a wood lathe for turning between centers. Demonstrates the use of a parting tool and skew chisel. Explains sand turning work.  
From the *PRECISION WOOD MACHINING* series. Operations On the Wood Lathe

**TURNING A TAPER WITH THE TAILSTOCK SET OVER**

17 min, 16mm film, optical sd, b&w 1942  
Producer USOE Agency No. OE 044  
Title No. 764800 Rental \$7.50 Sale \$30.50  
Shows how to calculate tailstock offset for cutting tapers, how to offset the tailstock and how to turn a taper with the tail stock set over.  
From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 6

**TURNING TAPER WORK**

12 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 314  
Title No. 764825 Rental \$7.50 Sale \$22.25  
Explains centering cylindrical wood stock for spindle turning. Tells how and when to make clearance cuts. Shows how to establish the diameters of a taper, how to turn a single taper, how to establish diameters for turning two tapers from a single piece of material and how to turn them.

**TURNING WORK HELD ON A FIXTURE**

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 058  
Title No. 764850 Rental \$7.50 Sale \$37.00  
Shows how to mount an irregularly shaped casting which can't be held in a chuck, mount and center the fixture on a lathe, select and mount tools, and turn, face, bore, counterbore and ream surfaces of a valve bonnet.

From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 10

**TURNING WORK HELD ON A FIXTURE (SPANISH)**

21 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 058  
Title No. 004023 Rental \$7.50 Sale \$37.00

Shows how to mount an irregularly shaped casting which can't be held in a chuck, mount and center the fixture on a lathe, select and mount tools, and turn, face, bore, counterbore and ream surfaces of a valve bonnet.

From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 10

**TURNING WORK HELD ON A MANDREL**

20 min, 16mm film, optical sd, b&w 1943

Producer USOE Agency No. OE 061  
Title No. 764900 Rental \$7.50 Sale \$35.25

Describes the uses of the mandrel. Shows how to fit a mandrel into the workpiece, how to cut a bevel, using the compound rest, how to calculate speed and feed, and how to set the controls.

From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 13

**TURNING WORK HELD ON A MANDREL (SPANISH)**

20 min, 16mm film, optical sd, b&w 1943

Producer USOE Agency No. OE 061  
Title No. 004024 Rental \$7.50 Sale \$35.25

Describes the uses of the mandrel. Shows how to fit a mandrel into the workpiece, how to cut a bevel, using the compound rest, how to calculate speed and feed, and how to set the controls.

From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 13

**TURNING WORK IN A CHUCK**

15 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 316  
Title No. 765010 Rental \$7.50 Sale \$27.00

Explains how to mount work on a face plate, turn one face of the work, make a chuck for the opposite face and remove rechucked work from the chuck.

**TURNING WORK OF TWO DIAMETERS**

14 min, 16mm film, optical sd, b&w 1941

Producer USOE Agency No. OE 007  
Title No. 765100 Rental \$7.50 Sale \$25.50

Demonstrates the use of roughing, finishing, facing and radius tools.

From the **MACHINE SHOP WORK** series. Operations on the Engine Lathe, No. 2

**TURNING WORK ON A FACE PLATE**

15 min, 16mm film, optical sd, b&w 1944

Producer USOE Agency No. OE 315  
Title No. 765150 Rental \$7.50 Sale \$27.00

Shows the various types of face plates. Explains how to attach the stock to the face plate, how to true up the wood, how to scribe the work for inside turning, how to use the round nose chisel and diamond point chisel and how to smooth the recess bottom.

From the **PRECISION WOOD MACHINING** series. Operations On the Wood Lathe.

**TURRET LATHE, THE - AN INTRODUCTION**

17 min, 16mm film, optical sd, b&w 1945

Producer USOE Agency No. OE 212  
Title No. 765200 Rental \$7.50 Sale \$30.50

Shows the function of the head, hexagon turret, square turret and bed, how to determine the sequence of operations, how to take a multiple cut, and how to combine cuts from the hexagon and square turrets.

From the **MACHINE SHOP WORK** series.

**\*TWI - BASIC COURSE**

9 audiotape cassettes, 2-track, monaural

Producer USFSI Agency No. OE 04129  
Title No. 004129 Rental \$29.25

Cassettes and accompanying text are both available for \$30.50.

**OTHER FORMAT(S) or VERSION(S)**

23 1/4 in. audiotapes, full-track, monaural

Producer USFSI

Title No. 004130

Sale \$64.00

Tape set and accompanying text are both available for \$65.25.

**TWIST DRILLS, PT V**

7 min, 16mm film, optical sd, b&w 1954

Producer USN Agency No. MN07831E

Title No. 766075 Sale \$12.50

Explains the size designation of twist drills, their cutting action, and how they are used and sharpened.

**\*TWO WORLDS-TWENTY YEARS**

29 min, 16mm film, optical sd, b&w

Producer NATO

Title No. 002952

Rental \$10.00 Sale \$60.25

Compares two countries of a similar size-Belgium and Czechoslovakia-each having a similar economy and a language problem. The film shows how the two countries, having been devastated by war, have feared over the past twenty years. The one, with the initial help of Marshall Aid, has prospered under a free economy, protected by the shield of NATO, while the other, deprived of this help by the USSR and drawn into her orbit, has not. The events leading up the Russian invasion of Czechoslovakia in August 1968 are recalled.

**\*TYPHOID CARRIER, THE**

9 min, 16mm film, optical sd, col 1947

Producer USIIAA

Title No. 000618

O/PRINT

Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.

**UN COUNTERATTACK**

17 min, 16mm film, optical sd, b&w 1951

Producer USODD Agency No. CB 111

Title No. 767380 Sale \$30.50

Shows military operations in Korea from May 20 to June 20, 1951.

**UN FORCES CONSOLIDATE BELOW 38TH PARALLEL**

20 min, 16mm film, optical sd, b&w 1951

Producer USODD Agency No. CB 106

Title No. 767384 Sale \$35.25

Shows military operations in Korea from December 20, 1950, to January 20, 1951.

**UN FORCES CROSS THE 38TH PARALLEL**

19 min, 16mm film, optical sd, b&w 1951

Producer USODD Agency No. CB 109

Title No. 767386 Sale \$33.75

Shows military operations in Korea from March 20 to April 20, 1951.

**UN FORCES MOVE NORTH**

17 min, 16mm film, optical sd, b&w 1951

Producer USODD Agency No. CB 107

Title No. 767395 Sale \$30.50

Shows military operations in Korea from January 20 to February 20, 1951.

**UN OFFENSIVE CONTINUES**

18 min, 16mm film, optical sd, b&w 1951

Producer USODD Agency No. CB 108

Title No. 767411 Sale \$32.00

Shows military operations in Korea from February 20 to March 20, 1951.

**U S BUREAU OF NARCOTICS AND DANGEROUS DRUGS**

30 2x2 slides, silent, col

Producer USBNDD

Title No. 003018 Sale \$10.00

Section E of the Drug Abuse Education and Information Slide Resource Kit.

**U S NAVAL OBSERVATORY**

18 min, 16mm film, optical sd, col 1970  
Producer USN Agency No. MN10647  
Title No. 767781 Sale \$74.25  
Shows how astronomers and mathematicians determine time, predict and publish the positions of the Sun, Moon, stars and planets for navigation and scientific purposes in addition to doing fundamental astronomical research

**ULCERATIVE COLITIS**

30 min, 16mm film, optical sd, b&w 1966  
Producer USNMAC Agency No. T-1859-X  
Title No. 003815 Sale \$61.25  
Examines the possible role of autoimmunity as a cause of ulcerative colitis and reviews the use of immunosuppressive agents in its therapy. Presents details of the two main types of therapy--corticosteroids and colectomy, and discusses the concept that physician and surgeon must work as a team to accomplish optimum therapeutic results.

**UNDER PRESSURE**

31 min, 16mm film, optical sd, b&w 1965  
Producer USNMAC Agency No. MIS-0894  
Title No. 769600 Sale \$53.50  
Shows the pressures under which members of a large city police department must work. Stresses the importance of handling any situation which may occur during a policeman's daily routine patrol.

**UNDER WAY**

20 min, 16mm film, optical sd, col 1960  
Producer USAEC  
Title No. 003816 Sale \$87.50  
Traces the design and construction of the first United States nuclear-powered merchant ship, the N S Savannah. Describes the safety features of the ship and the christening and launching.

**UNDERGROUND NUCLEAR WEAPONS TESTING**

29 min, 16mm film, optical sd, col 1967  
Producer USAEC  
Title No. 003817 Sale \$117.25  
Shows how underground tests of nuclear weapons are planned and conducted at the Nevada test site in a manner designed to contain radioactivity within the ground and to comply with the Limited Test Ban Treaty, while providing the diagnostic information needed. Explains various types of nuclear tests and the use of various test areas and their facilities.

**\*UNDERSEA EXPLORER**

14 min, 16mm film, optical sd, col 1971  
Producer USN Agency No. MN-10771  
Title No. 002217 Sale \$58.25  
Tells about the operating techniques and features common to Navy and commercial submersibles. Shows hazards encountered in submersible operations and safety methods used to avoid them.

**UNDERSTANDING THE PHYSICAL WORLD THROUGH MEASUREMENT**

33 min, 16mm film, optical sd, col 1957  
Producer USNBS  
Title No. 771848 Sale \$110.75  
Depicts man's struggle to harness and control the various forms of energy in the universe. Lecture begins with prehistoric man, whose only source of energy was his own muscle, then traces the historic development of means for utilizing other energy sources, from the steam engine to uranium fission. Demonstrates the transformation of energy--mechanical, chemical, electrical, thermal, nuclear--from one form to another.

**UNDERWATER SOUND - BASIC PRINCIPLES**

21 min, 16mm film, optical sd, col 1969  
Producer USN Agency No. MN10287  
Title No. 772202 Sale \$86.00  
Illustrates the basic principles of the behavior of sound under water. Shows the effects of absorption, scattering, bottom loss and sound refraction on sound transmissions in the sea.

**UNENDING STRUGGLE, THE**

30 min, 16mm film, optical sd, b&w 1965  
Producer USDS  
Title No. 772475 Sale W/DRAWN  
Brings to life the abstractions of U S foreign policy through sequences photographed on location in Ecuador.

**UNIJUNCTION SAWTOOTH GENERATOR**

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-817  
Title No. 003818 Sale \$60.50  
Explains the physical and electrical operating characteristics of the unijunction transistor, and identifies the sawtooth generator circuit using a unijunction transistor, and explains the purpose of each component. Explains the circuit operation in detail, showing current flow through the use of animation. Constructs time-amplitude graphs of significant waveforms and explains the terms 'physical length' and 'electrical length.' (Kinescope)

**UNIJUNCTION TRANSISTOR AND TUNNEL DIODE**

9 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-321B  
Title No. 003819 Sale \$19.00  
Introduces the unijunction transistor and tunnel diode. Discusses their fundamental characteristics and identifies component parts. (Kinescope)

**UNION STEWARD AND YOU, THE**

15 min, 16mm film, optical sd, col 1969  
Producer USN Agency No. MN10686  
Title No. 003820 Sale \$62.25  
Shows the relationship between a first line supervisor and a union steward in solving problems.

**UNITED STATES AND WESTERN EUROPE, THE**

29 min, 16mm film, optical sd, b&w 1966  
Producer USDS  
Title No. 772725 Sale \$41.00  
Covers the status of NATO and Atlantic security in the mid-1960's - the differing perspectives of France and her allies - the development of western Europe since World War II--with particular attention to the European unity movement--the nature and significance of the Organization for economic co-operation and Development, the Common Market - the Outer Seven - and a survey of U S policy toward western Europe in the postwar period.

**UNITED STATES ARRIVING**

28 min, 16mm film, optical sd, col 1963  
Producer USN Agency No. MN09928  
Title No. 773730 Sale \$94.50  
Follows the visit, in June 1963, of John F Kennedy, late President of the United States, to the First Fleet, Point Mugu, Nots China Lake, and the Marine Corps Recruit Depot, San Diego. This film is a narrative of the historic relation between the President's Fleet visit and the history and traditions of the sea services.

**\*UNITED STATES DISCIPLINARY BARRACKS, THE - OUR MISSION, YOUR FUTURE**

37 min, 16mm film, optical sd, col 1972  
Producer USA Agency No. TF-19-4443  
Title No. 002218 Sale \$148.75  
Shows the facilities and operation of the U S Disciplinary Barracks in Ft Leavenworth, Kansas, including training, rehabilitation programs, and levels of confinement.

**UNIVERSE ON A SCRATCHPAD**

29 min, 16mm film, optical sd, b&w 1967  
Producer USNASA Agency No. HQ 164  
Title No. 003821 Sale \$62.50  
Studies the work of a modern day astro-physicist and his method of studying the universe. Features commentary by Dr. Robert Jastrow and Dr. Patrick Thaddeus of the NASA Goddard Institute for Space Studies, New York.

\* INDICATES NEW ENTRY

#### **UNKNOWN THIRTY-SIX SECONDS, THE - AIRCRAFT ACCIDENT INVESTIGATION**

35 min, 16mm film, optical sd, col 1968  
Producer USAF Agency No. TF 5992  
Title No. 003822 Sale \$141.00  
Describes organization and mission of aircraft accident investigation board. Depicts its painstaking inspection of plane wreckage to determine possible electrical, mechanical, structural or hydraulic failure. Probes likelihood of crew's showing symptoms of physical or mental disability prior to crash. Concludes with findings and recommendations.  
**CLEARED FOR TV.**

#### **\*UNWANTED ALIENS**

11 min, 16mm film, optical sd, col 1961  
Producer USDA Agency No. 1433-1  
Title No. 004007 Sale \$53.00  
A plant-pest detection training film showing foreign insects which could be introduced into the United States. Prepared primarily for employees of agricultural research service and other entomological training personnel.

#### **UPPER EXTREMITY PROSTHETIC PRINCIPLES**

29 min, 16mm film, optical sd, col 1955  
Producer USVA  
Title No. 003823 Sale \$97.75  
Shows examples of research efforts resulting in prosthetic principles leading to better artificial arms. Describes the functions lost at different levels of amputation, the principles involved in their prosthetic restoration, and such devices and components as an armamentarium board.

#### **URBAN RAT SURVEYS**

10 min, 16mm film, optical sd, col  
Producer USNMAC Agency No. M-1700  
Title No. 003824 Sale \$41.00  
Presents rat survey techniques.

#### **\*URTICARIA PIGMENTOSA**

6 min, 16mm film, optical sd, col 1962  
Producer ILDS  
Title No. 004696 Rental: W/DRAWN Sale: W/DRAWN

#### **USAF SPORTS AND RECREATION 1964**

24 min, 16mm film, optical sd, b&w 1965  
Producer USAF Agency No. SFP 1255  
Title No. 003825 Rental \$10.00 Sale \$42.25  
Reviews Air Force team and individual 1964 tournament championships--bowling, volleyball, basketball, bobsledding, curling, chess, judo, track and field, tennis, softball, golf and model airplane flying.  
**CLEARED FOR TV.**

#### **USE AND CARE OF FIBER ROPE**

20 min, 16mm film, optical sd, b&w 1945  
Producer USN Agency No. MN02340B  
Title No. 776504 Sale \$35.25  
Explains how to care for, inspect and use fiber ropes. Compares sisal, manila and jute and shows methods of splicing and eyeing.

#### **USE AND CARE OF WIRE ROPE**

18 min, 16mm film, optical sd, b&w 1944  
Producer USN Agency No. MN02340A  
Title No. 003826 Sale \$32.00  
Describes the construction, use, and protective qualities of wire rope.

#### **USE OF AIRCRAFT FOR INSECT CONTROL, THE, PT 1, MOSQUITO CONTROL**

13 min, 16mm film, optical sd, b&w 1949  
Producer USNMAC Agency No. 04-00077  
Title No. 003827 Sale \$23.75  
Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control, and indicates the kind of situation in which such control may economically and feasibly be applied.

#### **USE OF AMMETER**

30 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-114  
Title No. 003828 Sale \$62.50  
Demonstrates the procedure for setting up the multimeter (PSM-6) for use as an ammeter. In addition, shows the method of adjusting the meter to read values in the range of milliamperes to amperes, and how to connect the meter into a DC circuit to measure current. Stresses the safety precautions to be observed by setting the range switch and connecting the leads properly. Explains the effects of disregarding various precautions and the possible damage which can result to the meter. (Kinescope)

#### **USE OF ANTICOAGULANTS IN RODENT CONTROL**

11 min, 16mm film, optical sd, col 1961  
Producer USNMAC Agency No. M-0474  
Title No. 776545 Sale \$37.25  
Describes the use of anticoagulants to kill rodents, advantages of these poisons, various forms and types of anticoagulants available, preparation of the various baits, placement of these poisons to provide the most efficient results, and precautionary measures when using these materials.

#### **\*USE OF FIRE IN SLASH DISPOSAL**

16 min, 16mm film, optical sd, col 1960  
Producer USAF Agency No. 1416  
Title No. 003793 Sale \$74.00  
Trains the administrative and forest-fire control personnel who supervise and participate in slash disposal operations. Slash, an accumulation of natural and manmade debris, created a serious hazard when untreated. Explains use of fire as part of the entire slash treatment job and demonstrates techniques and procedures. Illustrates multiple-use management considerations, objectives and standards, treatment plans, preparations, and burning in a variety of conditions and situations.

#### **USE OF OHMMETER**

37 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-112  
Title No. 003829 Sale \$76.25  
Demonstrates the procedure for setting up the PSM-6 multimeter for use as an ohmmeter, how to adjust the range selector switch for the most accurate reading of a resistor, how to zero the meter, and how to connect the instrument to read the ohmic values of resistors. Stresses the precautionary steps for using the meter and the effects if they are not observed. In addition, gives the general care of the PSM-6. Demonstrates the procedure for determining the condition of resistors, whether good, open, or shorted. Also, compares the measured values to the indicated values. (Kinescope)

#### **\*USE OF OVERHEAD PROJECTOR**

3 min, 8mm cartridge, optical sd, col  
Producer USBEH  
Title No. 003699 Sale \$20.00  
Sold only in a cartridge with pet peeves. Presents short insights into home and school education of the profoundly impaired.

#### **USE OF PRESSURE-INDICATING PASTE DURING THE DELIVERY OF DENTURES**

15 min, 16mm film, optical sd, col 1970  
Producer USVA Agency No. 8D-110  
Title No. 003830 Sale \$59.25  
Shows use of pressure-indicating pastes for developing better-fitting dentures. Shows use of these materials when delivering newly-made dentures to the patient.

#### **USE OF SOLDERING COPPERS, THE**

8 min, 16mm film, optical sd, b&w 1954  
Producer USN Agency No. MN 078311  
Title No. 003831 Sale \$14.25  
Describes the techniques of soft soldering in a sequence of operations, including proper selection and tinning of the copper, correct heating, cleaning and flexing the surfaces to be soldered, and the method of transferring sufficient heat from the copper.

### **USE OF THE CONDOM APPLIANCE FOR THE INCONTINENT PATIENT**

9 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1335  
Title No. 003832 Sale \$29.25  
Presents in detail the assembly and application of the condom appliance, which provides a means whereby the incontinent male patient can be kept dry without the use of an indwelling catheter.

### **USE OF THE MALLEABLE MESH IN THE REDUCTION AND FIXATION OF JAW FRACTURES**

11 min, 16mm film, optical sd, col 1969  
Producer USVA Agency No. D-77S  
Title No. 003833 Sale \$38.25  
In the reduction of jaw fractures, where an insufficient number of natural teeth are present to provide secondary support, a workable metal mesh can be used effectively. This current single concept demonstrates the adaptation and fixation of the mesh on a manikin and in the operating room.

### **USE OF THE OSCILLOSCOPE**

21 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-212A  
Title No. 003834 Sale \$44.50  
Shows on an oscilloscope screen, various waveshapes of different frequencies, amplitudes, and phase relationships. Gives the general operation of the oscilloscope, and a demonstration of the uses of the oscilloscope to find frequency and voltage amplitude. (Kinescope)

### **USE OF THE PROBLEM IN TEACHING**

28 min, 16mm film, optical sd, b&w 1958  
Producer USAF Agency No. TF01-5255  
Title No. 776625 Sale \$48.75  
Shows how an air university instructor employs a clever method for impressing his students with the principles and techniques of using the problem as an effective teaching aid.

### **USE OF TURNING FRAMES**

35 min, 16mm film, optical sd, b&w 1966  
Producer USA Agency No. TF08-3695  
Title No. 003835 Sale \$60.25  
Teaches nursing personnel the clinical requirement for and proper use of turning frames.

### **USE OF VOLTmeter**

38 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-113  
Title No. 003836 Sale \$78.50  
Demonstrates the proper procedure for setting up the multimeter (PSM-6) for use as a voltmeter. Shows how to connect the instrument into a DC circuit and how to adjust and read the meter for different values of voltage. Demonstrates and stresses the safety precautions to be observed by setting the range switch and the correct method of connecting the leads into the circuit. Explains the effects of disregarding various precautions. Shows how the meter is used to obtain a number of voltage readings in circuits containing different components. (Kinescope)

### **\*USEFUL KNOTS FOR BOATMEN**

25 min, 16mm film, optical sd, col 1972  
Producer USCG  
Title No. 002219 Sale \$101.75  
Developed as a marlinspike seamanship training aid for the Coast Guard Auxiliary. Discusses knots most commonly used by boatmen. Their use, instruction for tying, and the whipping and stowage of natural and synthetic fiber lines are covered in detail.  
Cleared for TV.

### **USEFULNESS OF MEDIUM CHAIN TRIGLYCERIDES, THE**

18 2x2 slides, 1/4 in. audiotape, col 1969  
Producer USNMAC Agency No. S-1735-X  
Title No. 003837 Sale \$6.00  
Medium chain triglycerides, a recently developed, semi-synthetic type of food, have been enthusiastically recommended as well as deprecated as a faddish novelty. The place of reasonable use of this food supplement in clinical practice is

discussed, and some points mentioned concerning the practical utilization of this material.

From the *FAT ABSORPTION IN HEALTH AND DISEASE* series.

### **USES OF PENICILLINS - OLD AND NEW**

40 min, 16mm film, optical sd, b&w 1964  
Producer USNMAC Agency No. T-1828-X  
Title No. 003838 Sale \$82.25  
Describes one observer's experiences with methicillin, oxacillin, ampicillin, and cephalosporin. Discusses the uses of penicillin G in gram-negative infections.

### **USES OF RESONANT SECTIONS**

22 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-617  
Title No. 003839 Sale \$46.25  
Shows the use of resonant sections of transmission lines as circuit elements. Develops the Lecher line oscillator, and explains how a shorted quarter wave-length section of transmission line can be used as a parallel resonant circuit. (Kinescop.)

### **USING A BORING BAR BETWEEN CENTERS - WORK HELD ON CARRIAGE**

22 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 064  
Title No. 777050 Rental \$7.50 Sale \$38.50  
Shows how to set up, mount, adjust and use a boring bar between centers of the lathe, how to clamp an irregular workpiece on a lathe carriage and how to align the workpiece center with the lathe centerline.  
From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 16

### **USING A FOLLOWER REST**

21 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 063  
Title No. 777100 Rental \$7.50 Sale \$37.00  
Illustrates the use of a follower rest in the turning of a long shaft into two diameters.  
From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 15

### **USING A MATHEMATICS LABORATORY APPROACH**

15 min, 16mm film, optical sd, col 1970  
Producer USOE  
Title No. 777121 Sale \$64.25  
Acquaints teachers with the laboratory approach by describing what labs are, why they are used, how they are organized, and the kinds of activities which are valuable in the mathematics laboratory. Illustrative activities at several grade levels are shown.  
From the *PROJECT ON INTERPRETING MATHEMATICS EDUCATION* Research Series.

### **USING A PORTABLE SPRAY GUN**

26 min, 16mm film, optical sd, b&w 1945  
Producer USOE Agency No. OE 289  
Title No. 777105 Rental \$10.00 Sale \$45.50  
Shows operation and use of the suction type spray gun, including--pressure tank operation, cleaning portable spray guns, adjusting paint, adjusting spray and air controls, and controlling the stroke.  
From the *AIRCRAFT WORK* series. Finishing

### **USING A SHELL END MILL**

21 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 072  
Title No. 777200 Rental \$7.50 Sale \$37.00  
Tells how the vertical milling machine differs from others. Shows how to make a flat surface with a shell end mill and how to use the sliding head. Explains speed and feed and how to calculate them.  
From the *MACHINE SHOP WORK* series. Operations on the Vertical Milling Machine, No. 1

**USING A STEADY REST**

25 min, 16mm film, optical sd, b&w 1943  
Producer USOE Agency No. OE 062  
Title No. 777250 Rental \$10.00 Sale \$43.75  
Describes the steady rest and its uses. Shows how to spot the work for the location of the steady rest, how to mount the steady rest on the lathe and how to adjust the jaws of the rest to the work.  
From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 14

**USING A STEADY REST WHEN BORING**

21 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 065  
Title No. 777300 Rental \$7.50 Sale \$37.00  
Shows how to mount a long casting on a lathe face-plate, how to turn a true bearing spot for supporting the workpiece with a steady rest and how to perform boring turning and forming operations when work is supported by a steady rest.  
From the *MACHINE SHOP WORK* series. Operations on the Engine Lathe, No. 17

**USING DIAGNOSIS IN A MATHEMATICS CLASSROOM**

15 min, 16mm film, optical sd, col 1970  
Producer USOE  
Title No. 777502 Sale \$62.00  
Points out that mathematics instruction can be improved by effectively diagnosing pupil needs. Shows the use of interview inventories and a diagnostic instrument. Explores ways of grouping pupils on the basis of such evaluation and of providing instruction to meet specific needs.  
From the *PROJECT ON INTERPRETING MATHEMATICS EDUCATION* Research Series.

**USING VISUAL AIDS IN TRAINING**

14 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 167  
Title No. 778300 Rental \$7.50 Sale \$25.50  
Depicts an instructor's use of a training motion picture, a coordinated filmstrip and a manual in teaching his class the use of the micrometer.

**USS NAUTILUS - OPERATION SUNSHINE**

14 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN08936  
Title No. 767794 Sale \$48.50  
Shows events leading up to and during the actual polar passage of the USS Nautilus.

**\*VACCINATE AGAINST SMALLPOX**

8 min, 16mm film, optical sd, col 1947  
Producer USIIAA  
Title No. 000619 O/PRINT  
Explains the necessity for vaccination against smallpox. Demonstrates the multiple pressure technique and shows how smallpox disappears from communities where all people are vaccinated.

**\*VACUUM TUBES**

37 fr, 35mm filmstrip, silent, b&w 1942  
Producer USN Agency No. SN00650  
Title No. 779072 Sale \$1.50  
Describes the operation of vacuum tubes and their function in radio circuits.

**VACUUM TUBES - BIAS IN TRIODES**

18 min, 16mm film, optical sd, b&w 1948  
Producer USAF Agency No. TVK 30-408  
Title No. 003840 Sale \$38.50  
Explains the term 'bias'. Discusses fixed bias and shows the schematic of a fixed bias network. Identifies the components and gives their purpose. Traces an AC signal through the circuit. (Kinescope)

**VACUUM TUBES - ELECTRON THEORY AND THE DIODE TUBE**

16 min, 16mm film, optical sd, b&w 1942  
Producer USAF Agency No. TF01-0470  
Title No. 003841 Sale \$28.50  
Explains electron behavior in matter, electron sources in vacuum tubes, symbols of tubes, functioning of in a circuit

and effect of plate voltage changes, space charge, and diode and duo-diode as reflectors.

**VACUUM TUBES - TRIODE AND MULTIPURPOSE TUBES**

14 min, 16mm film, optical sd, b&w 1942  
Producer USAF Agency No. TF01-0471  
Title No. 003842 Sale \$25.50  
Describes the triode tube as evolved from the diode tube, its structure and capacities, and the circuits in which the tube functions. The functions of the grid, grid bias, the screen and suppressor grids, and multipurpose tubes are indicated.

**VACUUM TUBES - TRIODES - CATHODE SELF BIAS**

17 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-409  
Title No. 003843 Sale \$36.75  
Defines 'cathode self-bias,' and shows an amplifier circuit schematic with cathode-bias. Identifies the components, gives the function of the components, traces the charge and discharge paths of CK, and defines 'degeneration.' (Kinescope)

**VACUUM TUBES - TRIODES - GRID LEAK BIAS**

27 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-410  
Title No. 003844 Sale \$56.50  
Shows a grid-leak bias network, identifies the components which comprise the circuit, and explains how the network functions. Traces the charge and discharge paths of CG and the AC signal through the circuit. States the purpose of RG and discusses the four factors which determine the amount of grid-leak bias. (Kinescope)

**VALLECITOS BOILING WATER REACTOR**

8 min, 16mm film, optical sd, col 1958  
Producer USAEC  
Title No. 003845 Sale \$38.50  
Examines the operation of the General Electric Vallecitos boiling water reactor and Pacific Gas and Electric Company's turbine-generator installation.

**VALLEY OF THE TENNESSEE**

29 min, 16mm film, optical sd, b&w 1949  
Producer USOWIO  
Title No. 003846 Rental \$10.00 Sale \$60.50  
Emphasizes the change in agricultural methods made possible by flood control in the Tennessee Valley. Describes the origin of the TVA and dam building.

**\*VALLEY REVISITED**

17 min, 16mm film, optical sd, b&w 1963  
Producer USIA Agency No. 01-04322  
Title No. 004397 Rental: W/DRAWN Sale: W/DRAWN  
In 'before' and 'after' scenes, describes 30 years of successful operation of TVA. Portrays the dramatic change from an area ravaged by floods to one of growth and accomplishment. Includes President Kennedy's visit for the 30th anniversary celebration.

**VALUE ENGINEERING - MORE SHIPS FOR LESS MONEY**

13 min, 16mm film, optical sd, col 1957  
Producer USN Agency No. MN8488  
Title No. 779340 Sale \$45.25  
Shows how the U S Navy value engineering program works and explains its key techniques. Get the facts, know the costs, determine the function, do creative thinking, and evaluate by comparison. Examples are given of results of value engineering.

**VALUE ENGINEERING - THE HUNDRED MILLION DOLLAR STORY**

28 min, 16mm film, optical sd, col 1963  
Producer USAF Agency No. SFP 1174  
Title No. 779350 Sale \$94.50  
Tells the story of the latest Air Force economy concept, when realizes a savings of millions of dollars in aircraft, missile cost.

<b>VAPOR COMPRESSION DISTILLING UNITS - HOW THEY WORK AND HOW TO OPERATE THEM</b>			
22 min, 16mm film, optical sd, b&w Producer USN Title No. 780387	1958 Agency No. MN 08264A Sale \$38.50		testing of the detection system, and summarizes the future of the satellite detection program.
Describes how a vapor compression distilling unit works by considering it as three systems--flow, heattransfer, and control. Shows by animation diagrams of the flow through unit and what occurs at important points, where the heat comes from and where it transfers in the boiling and condensation process, and the devices that reveal operating conditions and control operation.			
<b>VARANGER-DORA WEEMS INCIDENT, THE</b>			
4 min, 16mm film, optical sd, b&w Producer USN Title No. 003847	1943 Agency No. MN002020 Sale \$7.75		
Shows collision of the Varanger and the Dora Weems, and the causes therefor.			
<b>VARIATIONS ON A THEME</b>			
13 min, 16mm film, optical sd, col Producer USSBA Title No. 780500	Rental \$10.00 Sale \$45.25		
Calls attention to important steps in planning a sales event.			
<b>*VARIOUS PERCEPTIONS OF AUXILIARIES AT WORK</b>			
15 min, 16mm film, optical sd, b&w Producer USOE Title No. 004697	Sale: W/DRAWN		
Shows how administrators, students and auxiliaries have widely varying perceptions of the auxiliaries' contribution to an inner city high school.			
From the TEAMS FOR LEARNING series.			
<b>VDRL TESTS FOR SYPHILIS</b>			
22 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 003848	1959 Agency No. M-0342 Sale \$38.50		
Describes the preparation of the basic antigen emulsion. Shows the procedures for the slide flocculation tests for serum, for the tube flocculation tests for serum, and for the spinal fluid test, and gives a recapitulation of key points of VDRL tests for syphilis.			
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.			
<b>VECTORS</b>			
12 min, 16mm film, optical sd, b&w Producer USN Title No. 780900	1945 Agency No. MN01540N Rental \$7.50 Sale \$22.25		
Explains vectors, changes in angle or magnitude, how vectors are plotted and how the resultant is found.			
<b>*VEE - A NATIONAL EMERGENCY</b>			
11 min, 16mm film, optical sd, col Producer USDA Title No. 003794	1972 Agency No. 10819 Sale \$55.00		
Shows actions to control Venezuelan equine encephalomyelitis (vee), the deadly horse sleeping sickness that invaded Texas in the summer of 71, after a devastating impact on Mexico. Depicts mass vaccination, quarantine and aerial spraying to suppress mosquitoes.			
<b>VEHICLE MAINTENANCE STORY, THE</b>			
14 min, 16mm film, optical sd, col Producer USPO Title No. 781152	Sale \$48.50		
Points up to the value of good vehicle maintenance, and the effort made by the Post Office to establish proper maintenance procedures.			
<b>VELA PROGRAM - SATELLITE DETECTION SYSTEM</b>			
18 min, 16mm film, optical sd, col Producer USAEC Title No. 003849	1964 Sale \$62.00		
Explains the nature of the atmosphere surrounding our planet and the problems involved in analyzing nuclear explosions beyond the Earth's atmosphere. Describes the basic circuits and problems involved in developing a series of satellites for detecting nuclear radiation illustrates the manufacturing and			
<b>VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLUMBIA</b>			
16 min, 16mm film, optical sd, col Producer USPHS Title No. 003850	1968 Agency No. 7-1611 Sale \$55.00		
Documents a study of two simultaneous outbreaks of Venezuelan equine enciphalitis affecting both equines and humans in Colombia, South America.			
<b>VENEZUELAN EQUINE ENCEPHALITIS EPIDEMIC IN COLOMBIA (SPANISH)</b>			
16 min, 16mm film, optical sd, col Producer USPHS Title No. 004025	1968 Agency No. M-1611-SP Sale \$55.00		
Documents a study of two simultaneous outbreaks of Venezuelan equine enciphalitis affecting both equines and humans in Colombia, South America.			
<b>VENOMOUS ANIMALS OF THE SEA</b>			
28 min, 16mm film, optical sd, col Producer USN Title No. 003851	1970 Agency No. MN10697 Sale \$113.50		
Discusses many venomous forms of marine life from cone shells to stone fish and explains how dangerous their venom is to man.			
<b>VERBAL IMPAIRMENT ASSOCIATED WITH BRAIN DAMAGE</b>			
16 min, 16mm film, optical sd, col Producer USNMAC Title No. 003852	1966 Agency No. M-1112 Sale \$55.00		
In a series of testing sequences, speech therapists demonstrate how three syndromes of verbal impairment can be differentiated from each other by a careful analysis based on a linguistic description. A systematic replicable method for identifying and sorting out symptoms is shown.			
RECOMMENDED FOR PROFESSIONAL GROUPS ONLY.			
<b>*VERMILONECTOMY</b>			
7 min, 16mm film, optical sd, col Producer USA Title No. 003576	1973 Agency No. PMF-5460 Sale \$29.50		
Demonstrates an operation to correct a recurring lesion on the lower lip by removing the lip mucosa. The lesion is diagnosed as benign keratosis, or solar keratosis.			
SUGGESTED FOR PROFESSIONAL GROUPS.			
<b>VERNIER</b>			
19 min, 16mm film, optical sd, b&w Producer USOE Title No. 781950	1941 Agency No. OE 004 Rental \$7.50 Sale \$33.75		
Uses animation to tell the principles of the Vernier scale and its application to precision measuring instruments. Tells how to use and read Vernier micrometers and calipers.			
From the MACHINE SHOP WORK series. Precision Measurement, No. 4			
<b>*VERSUS</b>			
11 min, 16mm film, optical sd, col Producer NATO Title No. 002220	1972 Sale \$44.75		
Explores the importance of NATO and the need for collective security. Argues that peace can best be achieved through collective defense. Also notes the nonmilitary activities of NATO.			
<b>*VESICULAR DISEASES OF ANIMALS (REV ED)</b>			
11 min, 16mm film, optical sd, col Producer USDA Title No. 782270	1951 Agency No. 1653-9R Sale \$53.00		
Shows hogs affected with vesicular stomatitis photographed at the Animal Disease Section, Agricultural Research Center, Beltsville, Maryland. gives description of the typical condition of diseased animals.			

\* INDICATES NEW ENTRY

**\*VESICULAR EXANTHEMA**

17 min, 16mm film, optical sd, col 1954  
Producer USDA Agency No. 1178  
Title No. 004010 Sale \$77.00  
Tells the story of the outbreak of vesicular exanthema in 1952, its rapid spread, and measures taken to control it. Shows disease symptoms - depicts differential diagnostic field tests, and reviews federal-state-industry cooperation in eradication efforts, including the proper cooking of garbage fed to swine to curb the spread of vesicular exanthema. Stresses that any campaign to control outbreaks and eradicate animal diseases requires the cooperation of everyone connected with the livestock industry, from the producer to the consumer.

**VETERAN BECOMES A FARMER, THE**

28 min, 16mm film, optical sd, b&w 1946  
Producer USOE Agency No. OE 398  
Title No. 782260 Sale \$57.25  
Shows how individuals and groups in a farm community cooperate in giving help and counsel to a veteran wishing to become a farmer.

**\*VETERINARIAN, USDA**

29 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 5271  
Title No. 004011 Sale \$130.00  
Depicts the full range of veterinary activities in the Department's Agricultural Research Service and Consumer and Marketing Service. It will be of interest to veterinarians, veterinary students, veterinary association, and to livestock groups and others concerned with the health, disease eradication, production, slaughtering, and marketing of livestock and poultry.

**VIBRATION PROBLEMS IN THE DESIGN OF SHIPBOARD ELECTRONIC EQUIPMENT**

19 min, 16mm film, optical sd, b&w 1956  
Producer USN Agency No. MN08681B  
Title No. 003853 Sale \$33.75  
Demonstrates how breakage can occur when equipment chassis are not protected against vibration and shock. Shows ways in which vibration can be eliminated by the use of bands, screws, and braces placed in different ways on a chassis.

**VIBRATORS**

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-138  
Title No. 003854 Sale \$52.50  
Illustrates the purpose of vibrator-changing steady DC current to pulsating current. Then points out the parts of a vibrator and explains what makes it work. Shows the schematic of a vibrator in a circuit and, discusses the two vibrator output characteristics-square wave pulsating DC, and frequency varies with rate of opening and closing the contacts. (Kinescope)

**VIDEO AMPLIFIER**

25 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-329  
Title No. 003855 Sale \$52.50  
Describes the frequency range and states the function of each component of the video amplifier. Explains methods used to obtain low and high frequency response. (Kinescope)

**VIDEO AMPLIFIERS**

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-421  
Title No. 003856 Sale \$60.50  
Explains why a pentode tube is used in video amplifiers rather than triode tubes. Shows the schematic of a video amplifier, and identifies and gives the purpose of each of the components. Lists and discusses the various troubles which certain symptoms indicate. (Kinescope)

**\*VIETNAMESE - BASIC COURSE, VOL 1, GUIDE TO PRONUNCIATION, LESSONS 1-10**

22 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004131 Sale \$71.50  
Cassettes and accompanying text are both available for \$74.25.  
**OTHER FORMAT(S) OR VERSION(S)**  
37 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004132 Sale \$103.25  
Tape set and accompanying text are both available for \$106.00.

**\*VIETNAMESE - BASIC COURSE, VOL 2, LESSONS 11 - 15**

10 audiotape cassettes, 2-track, monaural  
Producer USFSI  
Title No. 004133 Sale \$32.50  
Cassettes and accompanying text are both available for \$34.00.  
**OTHER FORMAT(S) OR VERSION(S)**  
18 1/4 in. audiotapes, full-track, monaural  
Producer USFSI  
Title No. 004134 Sale \$50.25  
Tape set and accompanying text are both available for \$51.75.

**VIEW OF THE SKY, A**

28 min, 16mm film, optical sd, col 1967  
Producer USNASA Agency No. HQ 163  
Title No. 003857 Sale \$113.50  
Explores a child's view of the solar system today and tomorrow.  
**CLEARED FOR TV.**

**\*VIEWPOINT**

26 min, 16mm film, optical sd, col 1967  
Producer USDA Agency No. 5600  
Title No. 004012 Sale \$126.00  
The story of the national forests told from the special viewpoint of Bob Bray, who plays Forest Ranger Corey Stuart in the Lassie TV series. The film, narrated by Bob Bray, includes many striking sequences filmed on national forests in different sections of the country, plus some clips from the Lassie series.

**VIGIL OF JENNY FAY, THE**

17 min, 16mm film, optical sd, b&w 1962  
Producer USNMAC Agency No. MIS-0649  
Title No. 003858 Sale \$30.50  
Discusses a study conducted by the U S Public Health Service in Kansas City to determine how dental care can be made available to the chronically ill in nursing homes and in private homes.

**VISION IN MILITARY AVIATION - ILLUSIONS**

32 min, 16mm film, optical sd, col 1963  
Producer USN Agency No. MN09480B  
Title No. 003859 Sale \$107.50  
False sensations or illusions experienced while operating high-performance aircraft. Orientation and equilibration on ground and in the air. Prevention of illusions and recovery from them.

**VISION IN MILITARY AVIATION - SENSE OF SIGHT**

25 min, 16mm film, optical sd, col 1962  
Producer USN Agency No. MN09480A  
Title No. 003860 Sale \$84.75  
Describes anatomy and physiology of the eye, including structure of the retina and functions of the rods and cones for light discrimination, dark-adaptation and techniques for relying on rod vision. Depicts effects of - G -, carbon monoxide, medications, hypoxia, and over-exposure to glare.

**\*VISION IN THE FOREST**

5 min, 16mm film, optical sd, col 1957  
Producer USDA Agency No. 1346  
Title No. 784400 Sale \$26.00  
Portrays a family enjoying a camping trip in the forest. shows how to prevent fires from getting started.

<b>VISUAL ARTS, THE</b>		vital signs--temperature, pulse, respiration, and blood pressure.
30 min. 16mm film, optical sd, b&w Producer USIA Title No. 004398 Rental: W/DRAWN Sale: W/DRAWN	1965 Agency No. 01-01451	From the NURSING series.
Explores in detail the works of painter Edward Hooper, architect Minoru Yamasaki, sculptor Richard Hunt and photographer Ansel Adams.		
From the REPORT FROM AMERICA series.		
<b>VISUAL DAY SIGNALS</b>		<b>VITAL SIGNS, PT 1, CARDINAL SYMPTOMS</b>
14 min. 16mm film, optical sd, col Producer USN Title No. 003861	1943 Agency No. MN002021 Sale \$48.50	21 min. 16mm film, optical sd, b&w Producer USN Title No. 003865 Explains temperature, pulse, respiration, and blood pressure by means of live action animation, art work, and sound effects. Tells how these vital signs present a picture of the condition of the body.
Shows international day signals, and various other signals.		Agency No. MN08211A Sale \$37.00
<b>VISUAL FLIGHT RULES</b>		<b>VITAL SIGNS, PT 2, TAKING TEMPERATURE, PULSE, AND RESPIRATION</b>
22 min. 16mm film, optical sd, col Producer USN Title No. 785100	1951 Agency No. MN06914 Rental \$10.00 Sale \$74.75	20 min. 16mm film, optical sd, b&w Producer USN Title No. G03866 Demonstrates the techniques of taking temperature (oral, rectal, axillary), pulse, and respiration of patients with a variety of conditions. Shows equipment needed and includes sanitary procedures and charting.
Explains and illustrates Civil Air Regulations Part 60, as they apply to naval aviators while flying under VFR clearances.		Agency No. MN08211B Sale \$35.25
<b>*VISUAL GLIDE SLOPE INDICATOR</b>		<b>VITAL SIGNS, PT 3, TAKING BLOOD PRESSURE</b>
15 min. 16mm film, optical sd, col Producer USFAA Title No. 003096	1961 Agency No. FA-130 Sale \$51.75	11 min. 16mm film, optical sd, b&w Producer USN Title No. 003867 Explains and demonstrates the principles of taking systolic and diastolic pressures and the procedures followed with patients. Uses sound effects to show the significant changes in pulse tone.
Illustrates the testing of several visual glide slope systems to set up a national standard.		Agency No. MN08211C Sale \$19.25
<b>VISUALIZING AN OBJECT</b>		<b>*VOCAL APPROACH</b>
9 min. 16mm film, optical sd, b&w Producer USOE Title No. 786250	1945 Agency No. OE 051 Rental \$5.00 Sale \$15.75	1 min. 8mm cartridge, optical sd, col Producer USBEH Title No. 003700 Sold only in a cartridge with pitch and incidental correction of speech. Presents short insights into home and school education of the profound hearing impaired.
Tells how a blueprint is developed, how dimensions are shown by different views and how various kinds of information are indicated on a blueprint.		Sale \$19.25
From the MACHINE SHOP WORK series. Fundamentals of Blueprint Reading, No. 1		
<b>VISUALIZING AN OBJECT (SPANISH)</b>		<b>*VOICE FOR MERCURY, A</b>
9 min. 16mm film, optical sd, b&w Producer USOE Title No. 003862	1945 Agency No. OE 051 Rental \$5.00 Sale \$15.75	15 min. 16mm film, optical sd, col Producer USNASA Title No. 002221 Describes the construction and equipping of NASA's vast mercury tracking network around the world.
Tells how a blueprint is developed, how dimensions are shown by different views and how various kinds of information are indicated on a blueprint.		Agency No. HQA-66 Sale \$51.75
From the MACHINE SHOP WORK series. Fundamentals of Blueprint Reading, No. 1		
<b>VITAL LINK, THE</b>		<b>VOICE IN THE CITY, A</b>
29 min. 16mm film, optical sd, col Producer USNASA Title No. 003863	1967 Agency No. HQA 174 Sale \$117.25	28 min. 16mm film, optical sd, b&w Producer USIA Title No. 004399 Rental: W/DRAWN Sale: W/DRAWN
Shows NASA's worldwide communications system and networks of stations that send commands to spacecraft, determine spacecraft position, and receive scientific data from them. Emphasizes the Apollo tracking network.		Describes the routine daily activities of Audrey Brand, a union representative, member of District Council 37 in New York, who looks after the interests of a number of local municipal unions. Through her varied encounters, illustrates the important role of the labor union in a democratic society and the many satisfactions it offers those who work within it.
		Agency No. 01-02694 1961
<b>*VITAL OCEAN, THE</b>		<b>*VOICE OF THE FOREST</b>
29 min. 16mm film, optical sd, col Producer NATO Title No. 002950	Rental \$12.50 Sale \$117.25	27 min. 16mm film, optical sd, col Producer USDA Title No. 004009 One impressionable boy at summer camp, a forest that talks to him when he gets lost in the woods and a carelessly set fire that threatens his new-found friends. These elements, combined with excellent photography and music, make a picture that offers more complete understanding and appreciation of our forests.
Describes the current strength of the NATO navies in the Atlantic and explaining the task of SACLANT (Supreme Allied Command Atlantic) at Norfolk, Virginia, where officers from six NATO countries work together to coordinate defense plans in the north Atlantic area. The film deals with the under-water threat constituted by the Soviet submarine fleet and shows the work now being done by a team of NATO scientists at La Soezia, in Italy.		Agency No. 1444 1961 Sale \$122.00
<b>VITAL SIGNS AND THEIR INTERRELATION, THE BODY TEMPERATURE, PULSE, RESPIRATION...</b>		<b>VOLT OHMMETER OPERATION</b>
32 min. 16mm film, optical sd, b&w Producer USOE Title No. 003864	1945 Agency No. OE 406 Rental \$10.00 Sale \$55.25	12 min. 16mm film, optical sd, b&w Producer USN Title No. 788550 Shows how to operate a volts ohmmeter (Weston and other types) to measure ohms and volts.
FULL TITLE - VITAL SIGNS AND THEIR INTERRELATION, THE - BODY TEMPERATURE, PULSE, RESPIRATION, BLOOD PRESSURE. Describes the Physiology of the Respiratory, Heat Regulatory, and Circulatory Systems And Their Interrelationships. Shows how to ascertain and record the		Agency No. MN 1540\$ Rental \$7.50 Sale \$27.00
		1944
		<b>VOLTAGE DIVIDERS</b>
		21 min. 16mm film, optical sd, b&w Producer USAF Title No. 003868 Explains and demonstrates how voltages are developed at
		Agency No. TVK 30-123 Sale \$44.50

\* INDICATES NEW ENTRY

the taps with respect to ground. Ground is explained both as a reference point and as a current conduction path. Sample problems show the relationship of positive and negative voltage to ground. (Kinescope)

#### VOLTAGE DOUBLER

30 min, 16mm film, optical sd, b&w

Producer USAF Agency No. TVK 30-405  
Title No. 003869 Sale \$62.50

Develops, through analogy and demonstration, the theory of a voltage doubler circuit. Traces the charge and discharge paths for the capacitors, computes peak output voltage and ripple frequency, and relates malfunctions in a voltage doubler circuit to the symptoms. (Kinescope)

#### VOLTAGE REGULATORS

15 min, 16mm film, optical sd, b&w

Producer USAF Agency No. TVK 30-331  
Title No. 003870 Sale \$32.50

Discusses the operation, use, representation, and characteristic curve of zener diodes. Shows the schematic of a circuit with a zener diode, and discusses its operation or function in the circuit. (Kinescope)

#### VOLTAIC CELL, DRY CELL, AND STORAGE BATTERY

18 min, 16mm film, optical sd, b&w

Producer USA Agency No. TF11-1187  
Title No. 788600 Sale \$32.00

Explains the principles of a voltaic cell, a dry cell, and a storage battery.

#### \*VOLUNTEER FIREMAN, THE

19 min, 16mm film, optical sd, col

Producer USDA Agency No. 1509  
Title No. 004008 Sale \$89.00

Designed to assist volunteer fire departments suppress woods fires. Shows techniques of using handtools and back pack pumps. Includes the important work of mopping up, cleaning and storing tools, reporting, and prevention follow-up. It points up the importance of cooperation between volunteer fire departments and state forest fire services.

#### VOLUNTEERS FOR HEAD START

7 min, 16mm film, optical sd, col

Producer USOEO Agency No. 1966  
Title No. 788900 O/P/R/INT

Describes various opportunities for professional and non-professional service in the programs of Head Start. Includes scenes showing the work of volunteers such as doctors and dentists, fathers, retirees, club women, teenagers, and housewives.

#### WAKE TURBULENCE (REV)

15 min, 16mm film, optical sd, col

Producer USFAA Agency No. FA 10-72  
Title No. 789611 Sale \$58.50

Graphically illustrates the phenomenon of wing tip vortices, how they are generated, what generates them, their effects on light aircraft, and suggests pilot actions on how best to avoid them.

CLEARED FOR TV.

#### \*WANTED - PLANT PEST DETECTIVES

14 min, 16mm film, optical sd, col

Producer USDA Agency No. 1433  
Title No. 004013 Sale \$69.00

Explains that the public's assistance is needed in helping track down dangerous foreign plant pests that may have gotten into the country. Includes such invaders as the boll weevil of cotton, spotted alfalfa aphid, European corn borer, white pine blisters rust, stem rust of grain and golden nematode of potato. Illustrates what state and federal governments are doing to further pest detection to protect American agriculture.

#### \*WANTED-PLANT PEST DETECTIVES (SPANISH)

15 min, 16mm film, optical sd, col

Producer USDA Agency No. 1433-2  
Title No. 002152 Sale \$69.00

Explains that the public's assistance is needed in helping track down dangerous foreign plant pests that may have

gotten into our country. The costly pest problem is reviewed with resumes on such invaders as boll weevil of cotton, spotted alfalfa aphid, european corn borer, white pine blister rust, stem rust of grain, and golden nematode of potato. Illustrates what state and federal governments are doing on pest detection to protect American agriculture.

#### WAR AND ADVICE

20 min, 16mm film, optical sd, b&w 1964

Producer USAF Agency No. AFMR 0624  
Title No. 790475 Rental \$7.50 Sale \$35.25

Depicts role of Special U S forces who serve as observers and instructors for Vietnamese troops. Shows how American aid and influence reach into military, political, psychological and economic areas with good will and support of the people as a primary objective. Depicts alert practices in strategically constructed hamlets where civilians also do their part in resisting the Viet Cong.  
CLEARED FOR TV.

#### WAR COMES TO AMERICA

67 min, 16mm film, optical sd, b&w 1945

Producer USWD Agency No. OF 07  
Title No. 790480 Rental \$17.00 Sale \$139.50

Briefly reviews the history of the United States. Describes the characteristics, habits, and beliefs of the American people and explains the events, from 1931 to 1941, that led to the United States' entry into World War II.  
From the WHY WE FIGHT series.

#### WAR OF INDEPENDENCE, 1775-1783

24 min, 16mm film, optical sd, col 1952

Producer USN Agency No. FN06943A  
Title No. 790600 Sale \$81.50

Presents through still pictures, using the filmograph technique, the general movements of the Continental Army and Navy from 1775 to 1783. Depicts the founding Of the Navy, the battle of Valcour Island, John Paul Jones, and Washington's strategy at Yorktown.

#### WAR OF 1812, THE

20 min, 16mm film, optical sd, col 1955

Producer USN Agency No. FN06943C  
Title No. 790650 Sale \$68.25

Presents through still pictures and using the filmograph technique, the events leading up to the War of 1812, and the role of the U S navy in this war. Illustrates the origins of such phrases as 'Old Ironsides,' 'don't give up the ship,' and 'We have met the enemy and they are ours.' Contains a sequence on the writing of the Star-spangled Banner.

#### WARM COAT, THE

14 min, 16mm film, optical sd, col 1969

Producer USAEC Agency No. FN06943C  
Title No. 003871 Sale \$47.00

Describes the transplanting of sea otters from Amchitka Island in the Bering Sea to Alaskan Coves with the cooperation of the AEC.

#### WASHINGTON MOSQUE, THE

15 min, 16mm film, optical sd, col 1957

Producer USIA Agency No. 01-10670  
Title No. 004698 Rental:W/DRAWN Sale: W/DRAWN

Depicts the architecture and decor of Washington D c's Mosque. Describes religious and cultural activities of the Islamic center which was made possible by contributions of 15 different Muslim countries.

#### \*WASTE AWAY

22 min, 16mm film, optical sd, col 1969

Producer USEPA Agency No. 002222 Sale \$74.75

Describes the development and implementation of a comprehensive plan for solid waste management.

#### WASTE DISPOSAL BY HYDRAULIC FRACTURING

11 min, 16mm film, optical sd, col 1966

Producer USAEC Agency No. 003872 Sale \$39.50

Depicts the development, at Oak Ridge National Laboratory, of a process for the disposal of intermediate-level radioactive

wastes in underground bedded shale formations. Shows an actual injection of material into the formation, supplemented by animation which portrays the manner in which the grout is forced down into the well and then into the fracture for permanent disposal.

#### **WATCH ON HEALTH, THE**

14 min, 16mm film, optical sd, col 1966  
Producer USNMAC Agency No. M-1061  
Title No. 003873 Sale \$47.00

Describes briefly the historic high points and current programs of the Public Health Service.

#### **\*WATCH OUT FOR WITCHWEED**

14 min, 16mm film, optical sd, col 1963  
Producer USDA Agency No. 1562  
Title No. 004014 Sale \$64.00

Witchweed is a pretty, red-blossomed plant that looks harmless-but watch it. This parasite attaches itself to plant roots and is capable of devastating whole crops of corn, sugarcane, sorghum, rice, wheat, oats, barley, and more than 60 species of grass and sedge. Shows what is being done to control the spread of this parasitic plant and what methods of eradication have already been developed.

#### **\*WATER**

11 min, 16mm film, optical sd, b&w 1948  
Producer USDA Agency No. 1022  
Title No. 004015 Sale \$23.00

Tells the story of water - its numerous values and its potential destructive power when uncontrolled. It develops the theme that water is essential to all life and that the most valuable water is that which soaks into the ground where it falls as rain or snow while the most destructive water is permitted to run off uncontrolled from the ground where it falls.

#### **\*WATER FOR FARM AND CITY**

14 min, 16mm film, optical sd, b&w 1959  
Producer USDA Agency No. 1457  
Title No. 793493 Sale \$34.00

Shows the effect of water on the land and its people. Depicts farmers and ranchers guarding the Nation's water supply through proper conservation methods. Revised edition of 'Water For a Nation'.

#### **\*WATER FOR THE WEST**

25 min, 16mm film, optical sd, col 1957  
Producer USDA Agency No. 1230  
Title No. 793671 Sale \$111.00

Describes how forest and watershed scientists at experiment stations in the forests and on the range are trying to find the best ways to increase the yield of useful water without damaging the soil and the other important resources of the national forests.

#### **WATER MASSES OF THE OCEAN**

45 min, 16mm film, optical sd, col 1967  
Producer USN Agency No. MN10064  
Title No. 003874 Sale \$153.00

Provides a study of the locations and dynamic movements of the major water masses of the oceans.

#### **\*WATER ON THE FIRE**

27 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1150  
Title No. 793673 Sale \$123.00

Demonstrates effective and economical ways to use water in extinguishing various types of burning fuels in the forest of the eastern United States.

#### **\*WATER ON THE LAND**

9 min, 16mm film, optical sd, col 1947  
Producer USIAA O/PRINT  
Title No. 003875  
Explains the values of irrigation in farming and demonstrates some simple irrigation methods.

#### **WATER PURIFICATION, INTRODUCTION**

10 min, 16mm film, optical sd, col 1953  
Producer USN Agency No. MN 07489A  
Title No. 794010 Sale \$34.00

Emphasizes the importance of disinfecting water, explains the various sources of water and the steps required to provide a safe water supply, and mentions briefly diatomite filters and distilling equipment.

#### **WATER, FRIEND OR ENEMY**

10 min, 16mm film, optical sd, col 1943  
Producer USCIAA Agency No. 08-10077  
Title No. 792225 Rental \$7.50 Sale \$44.75

Uses animation to illustrate correct measures for keeping spring and well water from becoming contaminated. From the *HEALTH FOR THE AMERICAS* series.

#### **\*WATERS FROM THE MOUNTAIN**

20 min, 16mm film, optical sd, col 1964  
Producer USDA Agency No. E226  
Title No. 004016 Sale \$94.00

The most vital job of the snow surveyor is to measure water content in snow and determine how much water to expect when the snow melts. He tells us how much water will be for power, irrigation, watershed projects, recreation, flood control, and any of the other uses for water on which man depends.

#### **\*WATERS OF COWEETA**

20 min, 16mm film, optical sd, col 1953  
Producer USDA Agency No. 1103  
Title No. 794650 Sale \$91.00

Illustrates research being undertaken at the hydrolaboratory in the Coweeta Experimental Forest of North Carolina, emphasizing the relationship between watershed practices and the flow of water in streams.

#### **\*WATERSHED WILDFIRE**

21 min, 16mm film, optical sd, col 1958  
Producer USDA Agency No. 1302  
Title No. 794742 Sale \$97.00

Depicts the effect of a forest fire which spread throughout the brush covered canyons of California's Santa Inez watershed. emphasizes The importance of immediate reseeding of such an area to help prevent devastating floods with the advent of the rainy season. explains that everyone's help is needed in support of fire prevention, fire detection and fire control.

#### **WAVEGUIDE PLUMBING**

26 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-906  
Title No. 003876 Sale \$54.75

Covers the 90 degree 'e' and 'H' bend in rectangular waveguides by explaining the effect on the fields within the guide. Discusses twists, flexible waveguide, and improper bends. Explains the choke and rotating joint both physically and electrically, and the actions of the feedhorn and dummy load, by means of mockup and celomatic visuals. Shows actual bends, twists, choke joints, flexible waveguide, feedhorn and dummy load. (Kinescope)

#### **WAVEGUIDES**

29 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-905  
Title No. 003877 Sale \$60.50

Explains the inadequacy of transmission lines, other than waveguides, at microwave frequencies. Stresses factors determining the power handling capability and the frequency handling capability of waveguides. Shows how a loop or probe is used to inject or extract energy from a waveguide. Explains the use of electromagnetic energy to show the operation of a waveguide. Shows how to ascertain the polarization of a waveguide. (Kinescope)

#### **WAVESHAPING NETWORKS**

34 min, 16mm film, optical sd, b&w  
Producer USAF Agency No. TVK 30-803  
Title No. 003878 Sale \$70.50

Shows how to determine the amount of capacitor charge

applied to an RC network. Discusses differentiated and integrated waves. Gives definitions for short, medium and long time constant circuits, and shows how the waveforms for each circuit can be recognized. (Kinescope)

#### **WAY OUT OF THE WILDERNESS, A**

29 min, 16mm film, optical sd, b&w 1968  
**Producer USNMAC** Agency No. M-1711-X  
**Title No. 003879** Sale \$50.25

Depicts care of retarded children at the Plymouth State Home and Training Center, which is designed to look like a home rather than an institution and has as its goal preparing the children for return to the outside world. Shows several children, some motor handicapped, some blind, and what is being done to help them find 'a way out of the wilderness.'

#### **\*WE**

15 min, 16mm film, optical sd, col 1973  
**Producer USBC**  
**Title No. 000423** Sale \$56.50

Presents key findings of the 1970 census—the enormous growth of our suburbs, the continued historic movement of the population from rural to urban areas, towards the nation's coasts. Puts the statistics about the progress and problems of America into human terms, concentrating on the people as they work, play, and relax.

#### **OTHER FORMAT(S) OR VERSION(S)**

29 min, 16mm film, optical sd, col 1973  
**Producer USBC**  
**Title No. 002223** Sale \$115.50

#### **\*WE SHARE THIS LAND**

14 min, 16mm film, optical sd, col 1962  
**Producer USDA** Agency No. 1363  
**Title No. 796996** Sale \$67.00

Explains how conservation practices can bring beneficial wildlife back to the farm. Includes scenes of birds and animals found on the farm.

#### **\*WE SHOW THE WAY**

15 min, 16mm film, optical sd, col 1962  
**Producer USDA** Agency No. 1549  
**Title No. 000977** Sale \$68.00

Tells the story of the federal-state Cooperative Extension Service, which brings to America's families, on the farm and in the city, the research findings and know-how of the land-grant universities and the U S Department of Agriculture.

#### **\*WE, THE JAPANESE PEOPLE**

25 min, 16mm film, optical sd, b&w 1952  
**Producer USA**  
**Title No. 003880** Sale \$52.50

Shows some of the democratic changes the Japanese people have adopted since 1945.

#### **WEAPONERS OF THE DEEP**

28 min, 16mm film, optical sd, col 1967  
**Producer USN** Agency No. MN 10330  
**Title No. 003881** Sale \$94.50

To acquaint members of selected civic organizations and personnel at Navy recruit training centers with the educational and career opportunities of serving as an FBM weaponer in the Polaris submarine fleet.

#### **WEATHER EYE, THE**

13 min, 16mm film, optical sd, col 1969  
**Producer USAEC**  
**Title No. 003882** Sale \$83.00

Describes the design, development and fabrication of SNAP-19, a small, long-lived radioisotope-fueled nuclear generator used to supply power aboard a Nimbus weather satellite. SNAP-19 supplements the work of solar cells in powering the transmitters and data-gathering instruments aboard the satellite. Shows how the heat from the radioisotope 238 is converted directly to electrical power by means of thermocouples.

#### **\*WEATHERPROOFING BACA COUNTY**

6 min, 16mm film, optical sd, b&w 1963  
**Producer USDA** Agency No. 3224  
**Title No. 003795** Sale \$15.00

Depicts man's never-ending fight against drought dust and disaster in the Great Plains. Shows how farmers and ranchers in Baca County, Colorado, through low-level, weed-killing flights by airplanes and stubble-mulching operations on the ground, protect the land against the erosive force of the wind and conserve each drop of moisture where it falls.

#### **\*WEB OF LIFE - ENDLESS CHAIN**

28 min, 16mm film, optical sd, col 1972  
**Producer USAEC** Agency No. 0480  
**Title No. 002225** Sale \$75.00

A special no-narration version of the motion picture Endless Chain. Uses poetry, music and nature photography to depict the work being done by the U S Atomic Energy Commission at its Ecological Study Sanctuary in Washington State.

#### **WEDNESDAY IN APRIL**

20 min, 16mm film, optical sd, col 1968  
**Producer USA** Agency No. 01-11592  
**Title No. 004699** Rental: W/DRAWN Sale: W/DRAWN

Pictures an average day as it is lived across the varied scene of the American continent. Cowboy, farmer or urban worker, every citizen is free to weave his own unique pattern into the infinite and multi-colored threads of the American tapestry. His day, career and way of life are his to create, unravel and recreate in this mobile and richly diverse society.

#### **WEIN BRIDGE OSCILLATOR**

21 min, 16mm film, optical sd, b&w 1968  
**Producer USAF** Agency No. TVK 30-534  
**Title No. 003883** Sale \$44.50

Explains the theory of operation of the Wein bridge vacuum tube oscillator and states the purpose of each component. Explains the action when the size of the frequency determining components are changed and gives the formula for finding the operating frequency. (Kinescope)

#### **WEST POINT - THE MAKING OF A LEADER**

30 min, 16mm film, optical sd, b&w 1966  
**Producer USA** Agency No. 01-01706  
**Title No. 004700** Rental: W/DRAWN Sale: W/DRAWN

Explains that in addition to military training, a West Point cadet receives a well-rounded education.

From the REPORT FROM AMERICA series.

#### **WHAT CAUSES CURRENT FLOW - EMF**

3 min, 16mm film, optical sd, b&w 1954  
**Producer USN** Agency No. MN08016F  
**Title No. 801875** Sale \$6.25

Shows an outside force converted into electrical force of attraction. Points out that in a circuit the electrical forces of attraction and repulsion taken together are called electromotive force (EMF).

#### **WHAT CONTROLS CURRENT FLOW - RESISTANCE**

4 min, 16mm film, optical sd, b&w 1954  
**Producer USN** Agency No. MN08016G  
**Title No. 802010** Sale \$7.75

Shows the symbol for resistance to current flow, the atomic basis for resistance in materials, and the effect of the use of a resistor in a circuit.

#### **WHAT HAPPENED TO MOORETOWN**

19 min, 16mm film, optical sd, b&w 1965  
**Producer USNMAC** Agency No. M-1449-X  
**Title No. 003884** Sale \$33.75

A high disease incidence neighborhood takes action to correct its communicable disease problems in this film of a Shreveport, Louisiana, community. Shows how the mayor, health director, president of the neighborhood health council, and public works directors co-operate with official agencies in improving housing, sewage disposal, vector control, and general environmental sanitation.

<b>WHAT IS DISEASE - UNSEEN ENEMY</b>		<b>WHERE HAVE ALL THE STUDENTS GONE</b>	
11 min, 16mm film, optical sd, col Producer USIA Title No. 003885 Uses animation to show how germs and microbes cause sickness and outlines simple preventive measures. From the <i>HEALTH FOR THE AMERICAS</i> series.	1945 Agency No. 08-10066 Rental \$7.50 Sale \$45.00	30 min, 16mm film, optical sd, b&w Producer USIA Title No. 004701 Features jobs of college students during summer vacations, from truck driving to oceanographic research. From the <i>REPORT FROM AMERICA</i> series.	1965 Agency No. 01-01663 Rental: W/DRAWN Sale: W/DRAWN
<b>WHAT IS DISEASE - UNSEEN ENEMY (SPANISH)</b>		<b>*WHERE I WANT TO BE - THE STORY OF A WOMAN DENTIST</b>	
11 min, 16mm film, optical sd, col Producer USIA Title No. 003886 Uses animation to show how germs and microbes cause sickness and outlines simple preventive measures. From the <i>HEALTH FOR THE AMERICAS</i> series.	1945 Agency No. 08-10066 Rental \$7.50 Sale \$45.00	28 min, 16mm film, optical sd, col Producer USDDH Title No. 002230 Describes the career advantages of dentistry to women. Emphasizes the growing need for women in the dental field.	1973 Sale \$117.25
<b>*WHAT IS TEACHING - WHAT IS LEARNING</b>		<b>*WHERE THERE'S A WILL</b>	
30 min, 16mm film, optical sd, col Producer USNIMH Title No. 002227 Covers contrasting attitudes and ideas about teaching and the role of the school on our society. From the <i>SOCIAL SEMINAR</i> series.	1971 Rental \$12.50 Sale \$66.00	29 min, 16mm film, optical sd, col Producer USSR Title No. 808903 Shows a disabled veteran with artificial hands at work at his hobby of cooking. Two disabled housewives demonstrate how a handicapped person can manage a home. From the <i>TO LIVE AGAIN</i> series.	1969 Rental \$12.50 Sale \$175.00
<b>*WHAT IS YOUR QA QUOTIENT?</b>		<b>WHILE I RUN THIS RACE</b>	
62 2x2 slides, silent, col Producer USFDA Title No. 002228 Stresses need for achieving quality in the production and sterilization of disposable medical devices. Motivates management and all levels of employees toward achieving the highest degree of quality assurance by illustrating the importance of each individuals performance. Includes accompanying script.	1971 Sale \$8.00	29 min, 16mm film, optical sd, col Producer USOEO Title No. 809398 Documents the efforts of VISTA volunteers in two settings in Arizona. Shows a retired couple as they organize a preschool program to keep the children of Mexican-American migrants out of the fields. Describes the work of two young men who help a community of negro farm workers conduct a clean-up campaign and obtain pure drinking water in their settlement.	1967 Sale \$84.00
<b>*WHAT NOW SKIPPER?</b>		<b>WHISTLE SIGNALS FOR APPROACHING STEAM VESSELS</b>	
19 min, 16mm film, optical sd, col Producer USCG Title No. 002229 Depicts the recommended procedures for selecting, maintaining and using marine fire extinguishers. Intended for use in familiarizing the boating public with the federal requirements for fire extinguishers and their proper use on the pleasure boat.	1972 Sale \$78.00	17 min, 16mm film, optical sd, b&w Producer USN Title No. 003889 Shows by animation the rules for using 1, 2, and 3 blast signals, the danger signal, and the bend signal in various approaching situations.	1943 Agency No. MN00202J Sale \$30.50
<b>WHAT, WHERE AND WHEN - THE STORY OF THE U S ARMY SUPPLY AND MAINTENANCE COMMAND</b>		<b>*WHITE CLOUD, THE - THE TRUCK OF JOE MADRID</b>	
27 min, 16mm film, optical sd, col Producer USA Title No. 003887 Describes dual mission of the U S Army Supply and Maintenance Command--to deliver supplies to the soldier, and to perform fifth echelon maintenance of Army equipment. CLEARED FOR TV.	1966 Agency No. MF38-5155 Sale \$109.50	30 min, 16mm film, optical sd, b&w Producer USIA Title No. 004702 Truck driver who hauls perishable goods worth thousands of dollars across the continent. The narration in colloquial American is in first person.	1969 Agency No. 01-01663 Rental: W/DRAWN Sale: W/DRAWN
<b>*WHAT'S NEW IN SOLID WASTE MANAGEMENT</b>		<b>*WHO DOES WHAT TO WHAT - THE WORK DISTRIBUTION CHART</b>	
36 min, 16mm film, optical sd, col Producer USEPA Title No. 002226 Shows a variety of new and improved Solid Waste management techniques, featuring specially developed equipment in actual operation. The projects are part of the demonstrations and investigations conducted under provisions for the Solid Waste Disposal Act. Provides costs, capacities and other data to assist public works directors and other officials who must evaluate alternative systems and equipment. SUGGESTED FOR TECHNICAL AUDIENCES.	1970 Sale \$146.75	11 min, 16mm film, optical sd, col Producer USA Title No. 003577 Demonstrates the work distribution chart as a method of observing at a glance what work is actually going on in an organization.	1973 Agency No. MF61-5719 Sale \$44.75
<b>WHEELCHAIR TRANSFERS FOR THE PARAPLEGIC</b>		<b>*WHO IS RIGHT OR WRONG</b>	
7 min, 16mm film, optical sd, col Producer USNMAC Title No. 003888 Explains and demonstrates three transfer techniques for the paraplegic patient--frontwards, sideways with removable armrests on the wheelchair, and sideways without removable armrests. Spotting techniques for the therapist are demonstrated.	1966 Agency No. M-1410 Sale \$22.75	22 min, 16mm film, optical sd, col Producer USBM Title No. 003539 Underground coal mine fall-of-roof and shot firing accidents, taken from official files, are dramatically recreated for the viewer - their causes are disclosed, and direct action is taken to eliminate the causes, to prevent further occurrence of such accidents.	1959 Sale \$78.00

\* INDICATES NEW ENTRY

#### \*WHO SHALL REAP

28 min, 16mm film, optical sd, col  
Producer USDA Agency No. 8091  
Title No. 004017 Sale \$139.00  
Dramatizes the never-ending struggle of farmers the world over to protect their crops and livestock from the ravages of insects, diseases, weeds and other pests. Focuses on current research efforts to develop even more efficient safer methods of protecting food and forests from pests to meet the needs of an exploding world population.

#### \*WHO SHALL REAP (SPANISH)

28 min, 16mm film, optical sd, col  
Producer USDA Agency No. 8091-S  
Title No. 003797 Sale \$139.00  
Dramatizes the never-ending struggle of farmers the world over to protect their crops and livestock from the ravages of insects, diseases, weeds and other pests. Focuses on current research efforts to develop even more efficient safer methods of protecting food and forests from pests to meet the needs of an exploding world population.

#### WHY AM I HERE?

9 min, 16mm film, optical sd, col 1968  
Producer USVA Agency No. D-31ED  
Title No. 003890 Sale \$32.00  
Mr. Roberts, who has been hospitalized for stomach problems, cannot understand why he has been referred to the dental service for oral examination. He soon learns the importance of early detection of cancer in this area.

#### WHY CALIBRATE

16 min, 16mm film, optical sd, col 1966  
Producer USN Agency No. MN10105  
Title No. 811225 Sale \$55.00  
Demonstrates the need for calibrating test and monitoring equipment and shows how the U S Navy's calibration program is organized.

#### WHY ENGINES ARE GOVERNED

5 min, 16mm film, optical sd, b&w 1955  
Producer USA Agency No. TF55-2184  
Title No. 003891 Sale \$19.25  
Explains that the governor on military engines limits the speed of the engine at the point where it develops maximum horsepower. With the aid of a chart, followed by a demonstration on a GMC engine, defines the relationship between horsepower and speed, and shows how the governor on the engine prevents a waste of power.

#### \*WHY NATO

26 min, 16mm film, optical sd, b&w 1958  
Producer USDOOD Agency No. AFIF0088  
Title No. 811725 Rental \$10.00  
Describes the purpose and development of NATO from time of inception to the summit meeting held December 1957 at NATO headquarters in Paris. Narrated by Edward R. Murrow.

#### \*WHY VIETNAM

32 min, 16mm film, optical sd, b&w 1965  
Producer USDOOD Agency No. AFIF 0149  
Title No. 812700 Sale \$65.00  
Explains United States policy on south Vietnam as stated by President Lyndon B Johnson in an address to the American people and the world at large.  
THIS FILM IS CONSIDERED OF HISTORICAL VALUE AND DOES NOT NECESSARILY REFLECT CURRENT POLICY OR PLANS OF THE SPONSORING AGENCY.

#### WHY WE FIGHT-A SERIES

424 min, 16mm film, optical sd, b&w 1945  
Producer USWD  
Title No. 811375 Sale \$882.50

#### \*WILDERNESS ENCAMPMENT

28 min, 16mm film, optical sd, col 1961  
Producer USDA Agency No. 1539  
Title No. 004018 Sale \$127.00  
Senior Girl Scouts from 41 states and 7 other countries establish a base camp by beautiful Todd Lake on the Deschutes National Forest, Oregon. Backpacking into an area of

great scenic beauty, the Three Sisters Wilderness Area, the girls spend 5 days without adult supervision and create their own outdoor enjoyment.

#### \*WILDERNESS TRAIL

15 min, 16mm film, optical sd, col 1961  
Producer USDA Agency No. 1485  
Title No. 813650 Sale \$68.00  
Portrays an actual pack trip into the Bridger Wilderness Area in the Bridger National Forest in Wyoming. Shows how such areas are preserved in their natural state.

#### \*WILDLIFE AND THE HUMAN TOUCH

19 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1098  
Title No. 813750 Sale \$83.00  
Pictures forest animals in their native habitat in national forests, and explains how the U S Forest Service is protecting the animals and their habitat.

#### \*WILDLIFE AND TIMBER

7 min, 16mm film, optical sd, col 1957  
Producer USDA Agency No. 1347  
Title No. 004019 Sale \$33.00  
On the Ocala National Forest in Florida, the two major crops are wildlife and timber. The interesting management relationship between the two is portrayed --how cutting of timber, for instance, also improves habitat for deer, quail, turkey, and other wildlife. Years of research and practical experience lie behind the scientific timber management practiced. The federal, state, and private agencies cooperate in exploring ways to better manage the wildlife habitat and the wildlife crop.

#### WILDLIFE ON THE MAINSTEM

27 min, 16mm film, optical sd, col 1968  
Producer USAE  
Title No. 003892 Sale \$98.00  
Depicts the abundance of wildlife which lives in harmony with one of man's finest achievements - the complex of six multi-purpose dams and reservoirs constructed by the Corps of Engineers on the upper Mississippi. The film has spectacularly beautiful nature spots. The mood is set by the major actorssharp-tailed grouse, beaver, waterfowl, upland game, fish-the gamut of American wildlife.

#### WILL FOR PEACE

33 min, 16mm film, optical sd, b&w 1951  
Producer USA  
Title No. 003893 Rental \$12.50 Sale \$68.25  
Contrasts the post-war activities of the United States with those of Russia. Shows how the United States has worked toward peace through such organizations as the U N, UNRRA and the Marshall Plan, while Russia has concentrated its activities upon preparations for war.

#### \*WINCH CHARACTERISTICS - ELECTRIC, HYDRAULIC AND STEAM

25 min, 16mm film, optical sd, b&w 1969  
Producer USA Agency No. TF-55-3998  
Title No. 002231 Sale \$52.50  
Explains characteristics, preoperation checks and preparations, and operation of the two-speed steam winch, unit-type electric winch, and hydraulic winch used in military stevedoring. Presents advantages and limitations of each type.

#### WIND AND THE NAVIGATOR - IN-FLIGHT ANALYSIS

8 min, 16mm film, optical sd, col 1957  
Producer USAF Agency No. TF01-5206C  
Title No. 815154 Sale \$27.75  
Illustrates the navigator's duties while in flight, including determination of wind changes, drift causes, and path corrections.

#### WIND AND THE NAVIGATOR - JET STREAMS

15 min, 16mm film, optical sd, col 1957  
Producer USAF Agency No. TF01-5206D  
Title No. 815153 Sale \$51.75  
Explains the high velocity wind currents, called jet streams, and shows how aircraft navigators save fuel and flight time

through use of these forces. Discusses altitude velocity, seasonal changes, direction, and turbulence.	
<b>WIND AND THE NAVIGATOR - PRE-FLIGHT PLANNING</b>	
15 min, 16mm film, optical sd, col Producer USAF Title No. 815160	1957 Agency No. TF01-5206B Sale \$51.75
Demonstrates how a wind flow chart, using weather data values and scales, is prepared, and shows how a flight path is determined.	
<b>WIND AND THE NAVIGATOR - WIND THEORY</b>	
15 min, 16mm film, optical sd, col Producer USAF Title No. 815170	1957 Agency No. T. 11 5206A Sale \$51.75
Discusses the theory of wind forces and patterns, pressure gradient force, pressure surfaces, coriolis force, geostrophic winds, friction and centrifugal force.	
<b>WING ASSEMBLY - THE BOW TIP</b>	
24 min, 16mm film, optical sd, b&w Producer USOE Title No. 815610	1944 Agency No. OE 284 Sale \$49.75
Shows how to fit the bow tip strip to the leading edge strip, make the spar tip joint, install the ribs, shape the bow tip, apply and glue the bow tip skins, and varnish the surface. From the AIRCRAFT WORK series. Wood Fabrication, No. 6	
<b>WING ASSEMBLY - THE INBOARD PANEL</b>	
19 min, 16mm film, optical sd, b&w Producer USOE Title No. 815615	1944 Agency No. OE 300 Sale \$39.25
Describes how to install subassemblies in a jig, apply and glue the skins, apply and remove pressure strips, finish the outside surface, and inspect the completed assembly. From the AIRCRAFT WORK series. Wood Fabrication, No. 5	
<b>WING ASSEMBLY - THE NOSE SECTION</b>	
20 min, 16mm film, optical sd, b&w Producer USOE Title No. 815620	1944 Agency No. OE 299 Sale \$42.25
Tells how to position the main spar in the jig. Describes installation of the webbed ribs, junction rib, regular ribs, and leading edge strip. Shows how to apply and glue the skins, and finish the surface of the nose section. From the AIRCRAFT WORK series. Wood Fabrication, No. 4	
<b>WINGED SCOURGE</b>	
10 min, 16mm film, optical sd, col Producer USIA Title No. 001924	1943 Agency No. 08-10068 Rental \$7.50 Sale \$41.00
Uses animation to trace the life-cycle of the malaria-carrying anopheles mosquito. Demonstrates various means for combating the mosquito. From the HEALTH FOR THE AMERICAS series.	
<b>*WINTER OLYMPICS</b>	
24 min, 16mm film, optical sd, col Producer USDA Title No. 816109	1961 Agency No. 1488 Sale \$110.00
Presents the 1960 eighth winter olympics games at Squaw Valley, California in the Tahoe National Forest. Shows how the Forest Service cooperated with the Olympic Commission before and after the games in avalanche prevention and control work. Narrated by Lowell Thomas.	
<b>*WINTER WALKING</b>	
11 min, 16mm film, optical sd, col Producer USPOST Title No. 002232	1971 Sale \$43.00
Shows recommended procedures for walking in ice and snow. Contains spectacular sequence of 'ermont combined with scenes of actual tumbles.'	
<b>*WINTERS EXPRESS</b>	
26 min, 16mm film, optical sd, col Producer USIA Title No. 004703	1968 Agency No. 01-11348 Rental: W/DRAWN Sale: W/DRAWN
An imaginative story of a one-man small town weekly newspaper in Winters, California, and the man who serves as its publisher, reporter, editor, printer and distributor. Shows how	a weekly functions in its community and reflects the virtues of a small U S town. Highlights the continuing independence of the American spirit and the essence of the American free press.
<b>WINTERTHUR - ADVENTURE IN THE PAST</b>	
19 min, 16mm film, optical sd, col Producer USIA Title No. 004704	1960 Agency No. 01-02495 Rental: W/DRAWN Sale: W/DRAWN
Depicts the largest and richest assemblage of American decorative arts, especially furniture, ever brought together in an authentic setting. Recalls rich U S traditions of craftsmanship in architecture, ceramics, textiles, paintings, prints, metalwork and furniture. Indicates foreign influences, especially from England and the orient, in the 200-year period represented.	
<b>WIRE ROPE TERMINAL CONNECTIONS</b>	
31 min, 16mm film, optical sd, b&w Producer USN Title No. 003894	1944 Agency No. MN02340G Sale \$53.50
Demonstrates how to make and test the following terminal connections-clips, eye splices, and metallic splices.	
<b>WIRE SIZES AND VOLTAGE DROP</b>	
13 min, 16mm film, optical sd, b&w Producer USOE Title No. 816250	1945 Agency No. OE 372 Rental \$7.50 Sale \$23.75
Discusses factors influencing the ability of conductors to carry electron flow, measurement of wire size, voltage drop and Ohm's law. From the ELECTRICAL WORK series. Wiring, No. 4	
<b>WIRING OLD BUILDING WITH ARMORED CABLE</b>	
22 min, 16mm film, optical sd, b&w Producer USOE Title No. 816350	1945 Agency No. OE 379 Rental \$7.50 Sale \$38.50
Shows how to install outlet boxes, cut and strip armor from cables, attach cable to outlet boxes, run armored cable, repair openings in walls and join conductors at ceiling outlet. From the ELECTRICAL WORK series. Wiring, No. 8	
<b>WIRING TELLTALE PANEL</b>	
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 816360	1945 Agency No. OE 115 Sale \$35.75
Describes the principle of telltale units. Tells how to strip cable, form and lace conductors on a jig, strip the ends of conductors and put on lugs, and hook up conductors and test the connections.	
<b>*WISE PARENTS, HEALTHY BABIES</b>	
11 min, 16mm film, optical sd, col Producer USIIAA Title No. 000218	1947 O/PRINT
Explains how prenatal services safeguard the health of the prospective mother and child. Shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.	
<b>*WISHES, LIES AND DREAMS - KENNETH KOCH TEACHING CHILDREN TO WRITE POETRY</b>	
29 min, 16mm film, optical sd, col Producer USNEA Title No. 816500	1970 Sale \$99.50
Explores a young poet's unique methods of teaching literature to children in the classroom and is a 'remarkable exposition of the kind of joy truly creative teaching can bring to American education.' The film is based on the 'Poetry in the Schools' Programs of the National Endowment for the Arts, Washington, D.C.	
<b>WITHOUT ONE TO HELP US</b>	
19 min, 16mm film, optical sd, b&w Producer USOE Title No. 816725	1967 Sale \$30.00
Demonstrates how "the formation of a food-buying club by a group of Newark mothers brought about a necessary change in the community."	

\* INDICATES NEW ENTRY

**\*WITH THE MARINES - CHOSIN TO HUNGNAM**

24 min, 16mm film, optical sd, b&w 1951  
Producer USN Agency No. MN07314  
Title No. 816730 Sale \$42.25  
Documents the withdrawal from Chosin Reservoir area and the naval evacuation operation at Hungnam.

**WITHIN THIS DECADE - AMERICA IN SPACE**

29 min, 16mm film, optical sd, col 1969  
Producer USNASA Agency No. HQ 191  
Title No. 003895 Sale \$119.50  
Reviews major accomplishments in NASA research from 1959 through preparations for the first manned lunar landing, with emphasis on manned space flight.

**WOMEN WHO CARE**

30 min, 16mm film, optical sd, b&w 1967  
Producer USIA Agency No. 01-11116  
Title No. 004405 Rental: W/DRAWN Sale: W/DRAWN  
The story of two typical women volunteers in a small southern city, who take time out of their busy lives to help young people find their way back to productive lives and a brighter future.

**\*WONDERS OF WILDERNESS**

21 min, 16mm film, optical sd, col 196t  
Producer USDA Agency No. 4663  
Title No. 004020 Sale \$96.00  
Features the highlights of a trail rider's trip into the Maroon-Bells Snowmass Wilderness Area on the White River National Forest in Colorado. Shows the frustration and tension of living and working in crowded urban and the spiritual relief that can be realized by a vacation into one of Forest Service wilderness areas.

**\*WOOD CHIP MULCH FOR EROSION CONTROL**

13 min, 16mm film, optical sd, col 1972  
Producer USFHWA  
Title No. 002233 Sale \$50.50  
Demonstrates how wood chip mulch used on prepared slopes provides a solution to erosion, during and after highway construction. Air and water pollution can be controlled and a natural resource put to use instead of being wasted or burned.

**WOOD PRESERVATION - CONTROL OF WOOD DESTROYING ORGANISMS**

24 min, 16mm film, optical sd, col 1959  
Producer USN Agency No. MN 08167B  
Title No. 817855 Sale \$81.50  
Outlines methods which can be employed to control wood destroying organisms-physical control by killing the organisms by means of toxic chemicals or preventing access to wood by creating a barrier of poisoned foil, and wood preservation through treating wood by various processes to make it unavailable as a food source for insects or fungi.

**WOOD PRESERVATION - INSPECTION FOR WOOD DESTROYING ORGANISMS**

18 min, 16mm film, optical sd, col 1956  
Producer USN Agency No. MN 08167A  
Title No. 817860 Sale \$61.75  
Describes problems faced by the Navy in maintaining wooden structures.

**WOODEN OVERCOAT, THE**

14 min, 16mm film, optical sd, col 1965  
Producer USAEC  
Title No. 003896 Sale \$48.50  
Shows the development and testing of the wooden containers as well as the buildup of the containers from rings of plywood. Photography of actual drop tests and fire tests is included to demonstrate the resistance of the container to both impact shock and fire exposure. Results of tests show that a container having six-inch thick shells of fir plywood will adequately protect the inner metal container of radioactive material.

**\*WOODLAND MANNERS**

20 min, 16mm film, optical sd, col 1952  
Producer USDA Agency No. 1096  
Title No. 818251 Sale \$90.00  
Contrasts good and poor usage of national forests with regard to use of sanitary facilities, fire precautions and picnic facilities. Stresses leaving a clean camp.

**WORKING FOR BETTER PUBLIC HEALTH THROUGH RECOGNITION OF FEELINGS**

25 min, 16mm film, optical sd, b&w 1953  
Producer USNMAC Agency No. M-0008  
Title No. 003897 Sale \$43.75  
Shows synchronous treatment of interviews typical of both acceptable and unacceptable human relations situations in public health work. Discusses the problems involved, and advances the theory that it is better to uncover and discuss feelings than to concentrate entirely upon the problem itself.

**\*WORKING FOREST, A**

18 min, 16mm film, optical sd, col 1966  
Producer USDA Agency No. 5644  
Title No. 004021 Sale \$83.00  
Explains the reasons for and methods of establishing a local forestry cooperative. While locale is the Lake States, the film is of interest to forestry and farm groups nationwide.

**WORKING THROUGH COLLEGE**

20 min, 16mm film, optical sd, b&w 1951  
Producer USA  
Title No. 004026 Rental \$7.50 Sale \$42.50  
Story of a college student and the assistance provided him by a student employment adviser in finding a job which helps meet his expenses and enables him to acquire practical experience in the field he has chosen as a career.

**WORKING TOGETHER**

20 min, 16mm film, optical sd, col 1962  
Producer USNMAC Agency No. M-0528  
Title No. 001925 Sale \$68.25  
Draws from the experiences of several hospitals and nursing homes which have worked out mutual agreements for the co-operative care of chronically ill aged. Shows how such a co-operative effort is beneficial to the hospital, the nursing home, and the patient.

**WORKING WITH OTHER SUPERVISORS**

8 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 153  
Title No. 003899 Rental \$5.00 Sale \$14.25  
Shows how a supervisor fails because he does not recognize the importance of working harmoniously with other people, particularly with his fellow supervisors.  
From the PROBLEMS IN SUPERVISION series.

**WORKING WITH OTHER SUPERVISORS (SPANISH)**

8 min, 16mm film, optical sd, b&w 1944  
Producer USOE Agency No. OE 153  
Title No. 003900 Rental \$5.00 Sale \$14.25

**WORLD AT U N PLAZA, THE**

29 min, 16mm film, optical sd, col 1968  
Producer USDS  
Title No. 820700 Sale: W/DRAWN  
Provides an inside look at the work of the United States 'Embassy' to the U.S. and the United Nations itself. Its highlights include glimpses of behind-the-scenes United Nations diplomacy, recollections of the Security Council debates during the 1967 Middle East crisis, and a U.S. mission reception for General Assembly delegates on a boat circling Manhattan. Its purpose is to suggest, through a series of impressions of life at United Nations Plaza, how the principal U.S. representative to the United Nations and his colleagues go about the task of representing our country at the U.N.

<b>*WORLD AT WAR</b>			
44 min, 16mm film, optical sd, b&w Producer USOWIO Title No. 002234	1943	Sale \$89.75	beam. Isolate a single wavelength, scan a spectrum and record its characteristics.
Tells the trend toward war during the decade, the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor.			
<b>*WORLD BEYOND ZERO, THE</b>			
30 min, 16mm film, optical sd, col Producer USNASA Title No. 820800	1964	Agency No. HQA-121 Sale \$101.00	<b>XENON TETRAFLUORIDE</b> 6 min, 16mm film, optical sd, col Producer USAEC Title No. 003915
Stresses the international partnership between nations regarding space exploration by showing cooperation between world-wide tracking stations which link space scientists and engineers with the orbiting spacecraft.			Sale \$22.25
<b>WORLD IN A SCHOOLROOM</b>			Explains how chemists at Argonne National Laboratory have succeeded in making xenon combine chemically with fluorine, thereby opening a new area for the study of chemical bonding. Shows preparation of the compound in the Laboratory under special conditions of temperature and pressure. Discusses future experiments on forming compounds with rare gases.
17 min, 16mm film, optical sd, b&w Producer USA Title No. 003898	1951	Rental \$7.50 Sale \$36.75	<b>YEAR IN AMERICA, A</b> 30 min, 16mm film, optical sd, b&w Producer USIA Title No. 004406
Portrays citizens demonstrating their skills in the classroom so that students may see the application of the principles and techniques taught in school.			Rental: W/DRAWN Sale: W/DRAWN
<b>WORLD WAR I OVERSEAS FLYERS REUNION</b>			Portrays Japanese exchange students studying at an American university.
12 min, 16mm film, optical sd, col Producer USAF Title No. 822840	1962	Agency No. SFP 1123 Sale \$42.00	<b>YEAR OF BIRTH</b> 28 min, 16mm film, optical sd, b&w Producer USNMAC Title No. 003916
Reviews exploits of America's first fighter pilots as World War I airmen hold first reunion at USAF Museum at Wright-Patterson AFB. Features presentation of awards and excerpts of speeches.			Sale \$48.75
CLEANED FOR TV.			Depicts in story form, facts of pregnancy delivery, and the first year of life. Shows research being done at the National Institute of Neurological Disease and Blindness for prevention and control of cerebral palsy and other neurological diseases in infants.
<b>WORLD WIDE NAVAL OPERATIONS IN PEACE AND WAR, 1815-1960</b>			<b>YEAR TOWARD TOMORROW, A</b> 29 min, 16mm film, optical sd, col Producer USOEO Title No. 824930
23 min, 16mm film, optical sd, col Producer USN Title No. 823025	1956	Agency No. FN06943D Sale \$78.25	Sale \$76.00
Describes contributions to naval science, such as the development of steam power, the screw propeller, improved ordnance, oceanography, and exploration. Depicts the Navy's role in protecting American citizens and promoting trade throughout the world, and the Navy's support of military operations in Florida, Mexico, and California.			Describes the difficulties as well as the satisfactions which three VISTA volunteers experience. Shows two girls on a Navajo reservation in Arizona and an ex-navy volunteer in the slums of Atlanta.
<b>WOUND ROTOR CONTROLLERS</b>			<b>*YORUBA - BASIC COURSE</b> 36 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004135
17 min, 16mm film, optical sd, b&w Producer USOE Title No. 823400	1945	Agency No. OE 391 Rental \$7.50 Sale \$30.50	Sale \$117.00
Discusses wound rotor motor principles, operation of a faceplate controller, drum-type nonreversing controller, drum-type reversing controller and automatic magnetic starter for a wound rotor motor.			Cassettes and accompanying text are both available for \$119.75.
From the ELECTRICAL WORK series. Motor Control, No. 4			<b>OTHER FORMAT(S) OR VERSION(S)</b> 69 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004136
<b>WRENCHES</b>			Sale \$192.00
19 min, 16mm film, optical sd, b&w Producer USA Title No. 823500	1943	Agency No. TF09-2026 Sale \$33.75	Tape set and accompanying text are both available for \$194.75.
Explains the uses and advantages of various wrenches, and shows the damage which may result from incorrect and dangerous practices in using them.			<b>*YORUBA - INTERMEDIATE TEXTS</b> 2 audiotape cassettes, 2-track, monaural Producer USFSI Title No. 004137
<b>X-RAY INSPECTION</b>			Sale \$6.50
21 min, 16mm film, optical sd, b&w Producer USOE Title No. 824450	1944	Agency No. OE 173 Rental \$7.50 Sale \$37.00	Cassettes and accompanying text are both available for \$7.75.
Discusses the use of radiographs in industry, the generation of X-rays in the X-ray tube and the wave nature of X-rays. Explains how radiographs are made and how they are interpreted for defects in metal.			<b>OTHER FORMAT(S) OR VERSION(S)</b> 4 1/4 in. audiotapes, full-track, monaural Producer USFSI Title No. 004138
From the ENGINEERING series.			Sale \$11.25
<b>X-RAY SPECTROSCOPY - THE INSIDE STORY</b>			Tape set and accompanying text are both available for \$12.50.
26 min, 16mm film, optical sd, col Producer USNASA Title No. 824470	1968	Agency No. HQ 140 Sale \$103.75	<b>YOU AND MEDICARE</b> 28 min, 16mm film, optical sd, col Producer USSSA Title No. 004407
Shows how specially-grown crystals are made and used in a two crystal vacuum X-ray spectrometer to diffuse an X-ray			Sale: W/DRAWN
			Tells about the health insurance program under Social Security. Narrated by E. G. Marshall.
<b>* INDICATES NEW ENTRY</b>	346		<b>YOU AND YOUR CUSTOMERS</b> 14 min, 16mm film, optical sd, col Producer USSBA Title No. 826720
			Rental \$10.00 Sale \$47.00
			Dramatizes situations which small retailers may encounter involving customer relations. Stimulates audience involvement by providing opportunity to stop film for discussion

following some detailed situations, then presents possible solutions to the problems presented on the screen.

**YOU AND YOUR JOB**

10 min, 16mm film, optical sd, b&w                          1946  
Producer USNMAC    Agency No. MIS-0173  
Title No. 004408     Sale: W/DRAWN  
Emphasizes and illustrates the concept that trained respon-

sible men are essential in the processing of safe, pasteurized milk.

**ZIP CODE - THE SWING SIX**

13 min, 16mm film, optical sd, col  
Producer USPO  
Title No. 833395     Sale: W/DRAWN  
Shows the need for Zip Code and how Zip Code works.

# VIII. Producer Codes

IDCE	Institute for Dermatologic Communication and Education	USDHEW	Department of Health, Education, and Welfare
ILDS	International League of Dermatological Societies	USDL	Department of Labor
NATO	North Atlantic Treaty Organization	USDLMP	Manpower Administration (Department of Labor)
USA	Department of the Army (Department of Defense)	USDOD	Department of Defense
USAEC	Corps of Engineers ( Department of the Army)	USDS	Department of State
USAEC	Atomic Energy Commission	USECA	Economic Cooperation Administration (Discontinued Agency, re-released by USIA)
USAF	Department of the Air Force (Department of Defense)	USEPA	Environmental Protection Agency
USAID	Agency for International Development (Department of State)	USESSA	Environmental Science Services Administration (now USNOAA)
USARBC	American Revolutionary Bicentennial Commission	USFAA	Federal Aviation Administration (Department of Transportation)
USBC	Bureau of the Census (Department of Commerce)	USFDA	Food and Drug Administration (Department of Health, Education, and Welfare)
USBEH	Bureau of Education for the Handicapped (Department of Health, Education, and Welfare)	USFHWA	Federal Highway Administration (Department of Transportation)
USBM	Bureau of Mines (Department of the Interior)	USFSI	Foreign Service Institute (Department of State)
USBHME	Bureau of Health Manpower Education (Department of Health, Education, and Welfare)	USFSS	Federal Supply Service (General Services Administration)
USBNDD	Bureau of Narcotics and Dangerous Drugs (Department of Justice)	USGS	Geological Survey (Department of the Interior)
USBOR	Bureau of Outdoor Recreation (Department of the Interior)	USGSA	General Services Administration
USBPR	Bureau of Public Roads (Department of Transportation)	USHS	Project Head Start (Department of Health, Education, and Welfare)
USBSFW	Bureau of Sport Fisheries and Wildlife (Department of the Interior)	USHSMH	Health Services and Mental Health Administration (Department of Health, Education, and Welfare)
USCDC	National Communicable Disease Center (Department of Health, Education, and Welfare)	USHUD	Department of Housing and Urban Development
USCG	United States Coast Guard (Department of Transportation)	USIA	United States Information Agency
USCIAA	Coordinator of Inter-American Affairs (Discontinued Agency, re-released by USIA)	USIIAA	Institute of Inter-American Affairs (Discontinued Agency, re-released by USIA)
USCSC	United States Civil Service Commission	USMC	United States Marine Corps (Department of Defense)
USDA	Department of Agriculture	USN	Department of the Navy (Department of Defense)
USDCPA	Defense Civil Preparedness Agency (Department of Defense)	USNARS	National Archives and Records Service (General Services Administration)
USDDH	Division of Dental Health, (Department of Health, Education, and Welfare)	USNASA	National Aeronautics and Space Administration
		USNBS	National Bureau of Standards (Department of Commerce)
		USNEA	National Endowment for the Arts

<b>USNGA</b>	National Gallery of Art (Smithsonian Institution)	<b>USOIAA</b>	Office of Inter-American Affairs (Discontinued Agency, re-released by USIA)
<b>USNIAA</b>	National Institute on Alcohol Abuse and Alcoholism (Department of Health, Education, and Welfare)	<b>USOJD</b>	Office of Juvenile Delinquency (Department of Health, Education, and Welfare)
<b>USNIH</b>	National Institutes of Health (Department of Health, Education, and Welfare)	<b>USOSHA</b>	Occupational Safety and Health Administration (Department of Labor)
<b>USNHMH</b>	National Institute of Mental Health (Department of Health, Education, and Welfare)	<b>USOSRD</b>	Office of Scientific Research and Development (Discontinued Agency)
<b>USNLE</b>	Dwight D. Eisenhower Library (General Services Administration)	<b>USOSW</b>	Office of Saline Water (Department of the Interior)
<b>USNLT</b>	Harry S. Truman Library (General Services Administration)	<b>USOWIO</b>	Office of War Information, Overseas Branch (Discontinued Agency, re-released by USIA)
<b>USNMAC</b>	National Medical Audiovisual Center (Department of Health, Education, and Welfare)	<b>USPHS</b>	Public Health Service (Department of Health, Education, and Welfare)
<b>USNOAA</b>	National Oceanic and Atmospheric Administration (Department of Commerce)	<b>USPO</b>	Post Office Department
<b>USNSF</b>	National Science Foundation	<b>USPOST</b>	United States Postal Service
<b>USOCD</b>	Office of Civil Defense (Department of Defense)	<b>USSBA</b>	Small Business Administration (Department of Commerce)
<b>USOE</b>	Office of Education (Department of Health, Education, and Welfare)	<b>USSRS</b>	Social Rehabilitation Service (Department of Health, Education, and Welfare)
<b>USOEO</b>	Office of Economic Opportunity	<b>USSSA</b>	Social Security Administration (Department of Health, Education, and Welfare)
<b>USOEP</b>	Office of Emergency Preparedness	<b>USVA</b>	Veterans Administration
		<b>USWD</b>	War Department (Discontinued Agency, re-released by USIA)

# IX. Addendum

## A. HISTORICAL

The following 16mm films have been declared Historical (see p. xi) by the producing agency.

### ADMIRAL BURKE TAKES COMMAND

Producer USN

Agency No. MNO8344

### AIR FORCE CAMERAS IN ACTION

Producer USAF

Agency No. SFP 0630

### AIR POWER AND THE MAN

Producer USAF

Agency No. SFP 1388

### AIR POWER IN ACTION—THE U.S. AIR FORCE IN VIETNAM

Producer USAF

Agency No. FR 0643

### AIRCRAFT CALLED SEVENTY, THE

Producer USAF

Agency No. SFP 1158

### ALERT IN THE PACIFIC

Producer USAF

Agency No. SF 0826

### CANADA

Producer USA

Agency No. AFIF 0043

### CARRIER ACTION OFF KOREA

Producer USN

Agency No. MNO9272

### CLEARED FOR TAKEOFF

Producer USN

Agency No. MN10419A

### COLD WAR CALLUP—THE NAVY'S SELECTED RESERVE

Producer USN

Agency No. MN09783

### DIARY OF A SERGEANT

Producer USA

Agency No. MF08-1129

### FIGHTING LADY SPEAKS, A

Producer USN

Agency No. MN07283

### FLOATING FORTRESS

Producer USN

Agency No. MN07834

### INTERNATIONAL NAVAL REVIEW

Producer USN

Agency No. MN08771A

### SEA POWER IN THE PACIFIC

Producer USN

Agency No. MN06124

### SEVENTH FLEET, THE

Producer USN

Agency No. MN08078

### STRATEGIC AIR COMMAND COMBAT MISSILE FORCE

Producer USAF

Agency No. SFP 1200

### SUPERSONIC THUNDERBIRDS

Producer USAF

Agency No. SFP 0637

### TAKE 'EM DOWN

Producer USN

Agency No. MN09294

### THUNDERBOLT

Producer USAF

Agency No. SFP-182

### UNITED STATES ARRIVING

Producer USN

Agency No. MN09928

## B. OBSOLETE

The following 16mm films have been declared Obsolete (see p. xi) by the producing agency.

### AC GENERATORS

Producer USAF

Agency No. TVK 30-201

### ADC FIGHTER DISPERSEL PROGRAM, THE

Producer USAF

Agency No. FR 295

### AEROSPACE MEDICAL DIVISION, THE—AIR FORCE SYSTEMS COMMAND, THE UNIVERSE WITHIN

Producer USAF

Agency No. SFP 1313

### AEROSPACE POWER

Producer USAF

Agency No. FR 0265

### AFLC ZERO DEFECTS STORY

Producer USAF

Agency No. TF 5903

### AIR FORCE FAMILY HOUSING

Producer USAF

Agency No. SFP 0892

### AIR FORCE NON-DESTRUCTIVE TESTING

Producer USAF

Agency No. TF01-5226

### AIR RESERVE FORCES, THE

Producer USAF

Agency No. SFP 0820

### AIRCRAFT ENGINE R3350-30W—PRINCIPLES OF OPERATION

Producer USAF

Agency No. FN08032

### AIRCRAFT FAMILIARIZATION—T2J-1 BUCKEYE, CARRIER PROCEDURES

Producer USAF

Agency No. MN08817-E

### AIRCRAFT MAGNETO, THE—THEORY AND OPERATION OF THE FOUR-POLE MAGNETO

Producer USAF

Agency No. TF01-3638

### AIRCRAFT OBSERVER'S PLACE IN THE AIR FORCE, THE

Producer USAF

Agency No. S 0311

### AIRCRAFT TIRES AND TIRES—SHOP INSPECTION, STORAGE, AND DISPOSITION

Producer USAF

Agency No. TF-1 5108C

### AMMUNITION SUPPLY POINT OPERATION

Producer USA

Agency No. TF09-1859

### AMPLIFIER DISTORTION

Producer USAF

Agency No. TVK 30-325

### AMPLIFIER PRINCIPLES—CLASSIFICATION, PT 1

Producer USAF

Agency No. TVK 30-323A

### AMPLIFIER PRINCIPLES—CLASSIFICATION, PT 2

Producer USAF

Agency No. TVK 30-323B

### AMPLIFIER PRINCIPLES—COUPLING, PT 1

Producer USAF

Agency No. TVK 30-324A

### AMPLIFIER PRINCIPLES—COUPLING, PT 2

Producer USAF

Agency No. TVK 30-324B

### ANTENNA MATCHING DEVICES

Producer USAF

Agency No. TVK 30-603

### ANTENNAF

Producer USAF

Agency No. TVK 30-601

### ARTIFICIAL TRANSMISSION LINES

Producer USAF

Agency No. TVK 30-901

### ASEPTIC PROCEDURE IN ORAL SURGERY

Producer USA

Agency No. MN07850

### ASTABLE MULTIVIBRATOR—TSTR

Producer USAF

Agency No. TVK 30-509B

### AUDIO AMPLIFIERS

Producer USAF

Agency No. TVK 30-415

### AUDIO AMPLIFIERS PRINCIPLES, PT 1

Producer USAF

Agency No. TVK 30-327A

### AUDIO AMPLIFIERS PRINCIPLES, PT 2

Producer USAF

Agency No. TVK 30-327B

### AUDIO FREQUENCY AMPLIFICATION

Producer USA

Agency No. SN00652

AUTOMOTIVE ELECTRICITY FOR MILITARY VEHICLES, PT 4, THE IGNITION CIRCUIT Producer USA	Agency No. TF 9-2332	COMMUNICATION CENTER PROCEDURE FOR CORPS AND LOWER HEADQUARTERS, PT 1, OUTGOING MESSAGES Producer USA	Agency No. TF11-1733
BALANCED MODULATOR AND CRYSTAL FILTERS Producer USAF	Agency No. TVK 30-612	COMMUNICATION CENTER PROCEDURE, PT 2, INCOMING MESSAGES Producer USA	Agency No. TF11-1734
BASIC CARE OF PATIENTS, PT 1, CLEANING THE PATIENT'S UNIT AND MAKING AN UNOCCUPIED BED Producer USA	Agency No. TF08-2471	COMPOSITION OF AN AM WAVE Producer USAF	Agency No. TVK 30-527
BASIC CARE OF PATIENTS, PT 2, THE BED BATH Producer USA	Agency No. TF08-3387	CORPSMAN Producer USN	Agency No. MH10278D
BASIC CARE OF PATIENTS, PT 3, MAKING AN OCCUPIED BED Producer USA	Agency No. TF08-2473	COST REDUCTION—EVERYBODY'S JOB Producer USAF	Agency No. SFP 1265
BASIC CARE OF PATIENTS, PT 4, PHYSICAL COMFORTS Producer USA	Agency No. TF08-2474	COUNTING WHAT COUNTS—WORK COUNTS Producer USA	Agency No. MF-61-5721
BASIC CARE OF PATIENTS, PT 5, FEEDING THE PATIENT Producer USA	Agency No. TF08-2475	CRANE OPERATIONS—SAFETY PRECAUTIONS Producer USN	Agency No. MN08076B
BASIC CARE OF PATIENTS, PT 6, THE ENEMA Producer USA	Agency No. TF08-2476	DC CIRCUIT PARAMETERS Producer USAF	Agency No. TVK 30-108
BASIC CARE OF PATIENTS, PT 7, STERILE TECHNIQUE Producer USA	Agency No. TF08-2477	DC SERIES RESISTIVE CIRCUITS Producer USAF	Agency No. TVK 30-119
BASIC CARE OF PATIENTS, PT 8, POSTOPERATIVE CARE Producer USA	Agency No. TF08-2479	DIESEL ENGINE, THE Producer USN	Agency No. MN00042A
BASIC CIRCUIT SYMBOLS AND COMPONENTS—BATTERY CIRCUITS Producer USAF	Agency No. TF 9-20-1108	DIESEL ENGINE FUEL SYSTEMS Producer USN	Agency No. MN00046A
BETTER WAYS FOR DOING WORK—INTRODUCTION TO THE ARMY WORK SIMPLIFICATION PROGRAM Producer USA	Agency No. MF-61-5718	DIESEL ENGINE, THE—SC. VENTILATING AND SUPERCHARGING DIESEL ENGINES Producer USN	Agency No. MN00042B
BI-STABLE MULTIVIBRATOR—TSTR Producer USAF	Agency No. TVK 30-813	DIGITAL COMPUTER TECHNIQUES—LOGIC ELEMENT CIRCUITS Producer USN	Agency No. MN08969E
BI-STABLE MULTIVIBRATOR—VT Producer USAF	Agency No. TVK 30-812	DIODE AND CRYSTAL DETECTORS Producer USAF	Agency No. TVK 30-522B
BIASED CLAMPERS Producer USAF	Agency No. TVK 30-540	DIODE TUBES—EMISSION AND SPACE CHARGE Producer USAF	Agency No. TVK 30-440
BLOCKING OSCILLATOR Producer USAF	Agency No. TVK 30-804	DIODES AND RECTIFIER CIRCUITS—FULL-WAVE RECTIFIERS Producer USAF	Agency No. TVK 30-235B
BLOCKING OSCILLATOR—TSTR Producer USAF	Agency No. TVK 30-806	DIODES AND RECTIFIER CIRCUITS—HALF-WAVE RECTIFIERS Producer USAF	Agency No. TVK 30-235A
BLOCKING OSCILLATOR—VT Producer USAF	Agency No. TVK 30-805	DIODES AND RECTIFIER CIRCUITS—METALLIC RECTIFIERS Producer USAF	Agency No. TVK 30-234
BOB CUMMINGS VISITS THE AIR FORCE ACADEMY WITH HIS SON BOB CUMMINGS, JR. Producer USAF	Agency No. SFP 0868	DIRECT CURRENT GENERATORS Producer USAF	Agency No. TVK 30-202
BOILER REPAIRS, FIRE SIDE—INSTALLING PLASTIC CHROME Producer USN	Agency No. MN 7862-C	DIRECTIONAL ANTENNAS Producer USAF	Agency No. TVK 30-604
BOILER REPAIRS, FIRE SIDE—INSTALLING PLASTIC FIRE BRICK Producer USN	Agency No. MN07862B	DIRECTIONAL COUPLER Producer USAF	Agency No. TVK 30-907
BOILER REPAIR, WATER SIDE—REPLACING BOILER TUBES Producer USN	Agency No. MN07861C	DISCIPLINE—GIVING ORDERS (SPANISH) Producer USN	Agency No. MN02088A
BOILERS AND THEIR OPERATION—PHOSPHATE TEST Producer USN	Agency No. MN09223M3	DISCIPLINE—REPRIMANDING (SPANISH) Producer USN	Agency No. MN02088B
BRIDGE RECTIFIER—VACUUM TUBE Producer USAF	Agency No. TVK 30-40	DITCHING TECHNIQUES FOR TRANSPORT AIRCRAFT COMMUNICATIONS, SEA EVALUATION, HEADING, . . . Producer USAF	Agency No. TF01-5271A
CAPACITORS—DC-AC ACTION Producer USAF	Agency No. TVK 30-210A	DOUBLE INPUT MIXERS Producer USAF	Agency No. TVK 30-621
CAPACITORS—REACTANCE AND TOTAL CAPACITANCE Producer USAF	Agency No. TVK 30-210B	DRAFFTS AND SLINGS Producer USA	Agency No. TF55-1117
CARE AND MAINTENANCE OF TAPERED ROLLER BEARINGS Producer USA	Agency No. TF11-0257	DUO-DIODE LIMITER—TSTR Producer USAF	Agency No. TVK 30-505
CATHODE FOLLOWER Producer USAF	Agency No. TVK 30-434	EFFECTIVE BRIEFING Producer USAF	Agency No. TF01-5332
CAVITY RESONATORS Producer USAF	Agency No. TVK 30-908	ELECTROMAGNETISM Producer USAF	Agency No. TVK 30-138
CELESTIAL GUIDANCE FOR NIGHT PILOTS Producer USAF	Agency No. TF01-5120	ELECTRON COUPLED OSCILLATOR Producer USAF	Agency No. TVK 30-532
CHAPLAIN AND THE COMMANDER, THE Producer USA	Agency No. TV 532	ELECTRONIC VOLTAGE REGULATORS Producer USAF	Agency No. TVK 30-431
CHARGING STORAGE BATTERIES Producer USA	Agency No. TF11-1219	ELECTROSTATIC CATHODE-RAY TUBE Producer USAF	Agency No. TVK 30-425
		ELECTROSTATIC PRINCIPLES—ATOMIC STRUCTURE OF MATTER Producer USAF	Agency No. TVK 30-104

<b>ELECTROSTATIC PRINCIPLES—CHARGED BODIES</b>	Producer USAF	Agency No. TVK 30-106	<b>HOLIDAY TRAFFIC SAFETY—HOME FOR THE HOLIDAYS</b>	Producer USAF	Agency No. TF 5593
<b>ELECTROSTATIC PRINCIPLES—CONDUCTORS AND INSULATORS</b>	Producer USAF	Agency No. TVK 30-105	<b>HOOKS (DRUG ABUSE)</b>	Producer USA	Agency No. TAR-37
<b>ELEMENTS OF ELECTRICITY</b>	Producer USA	Agency No. TF11-0622	<b>HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 1,</b>		
<b>ENGINEERED PERFORMANCE STANDARDS PROGRAM, THE</b>	Producer USN	Agency No. MN07837	<b>INTRODUCTION</b>	Producer USA	Agency No. TF08-1841
<b>ENGINEERING DOCUMENTATION FOR UNIFORM REQUIREMENTS</b>	Producer USA	Agency No. MF20-9313	<b>HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 2,</b>	Producer USA	Agency No. TF08-1578
<b>ENVIRONMENTAL FACTORS AFFECTING RELIABILITY OF ELECTRONIC EQUIPMENT</b>	Producer USN	Agency No. MN 8681A	<b>HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 3,</b>	Producer USAF	Agency No. TF08-1577
<b>FEED BACK</b>	Producer USAF	Agency No. TVK 30-508	<b>HOSPITAL FOOD SERVICE PERSONNEL TRAINING, PT 4,</b>	Producer USAF	Agency No. TF08-1578
<b>FILTERS AND POWER SUPPLIES—"PI" TYPE FILTERS</b>	Producer USAF	Agency No. TVK 30-301B	<b>SERVING FOOD</b>	Producer USAF	Agency No. MN08339
<b>FILTERS AND POWER SUPPLIES—FILTER ACTION, PT 1</b>	Producer USAF	Agency No. TVK 30-300A	<b>HURRICANE HUNTERS</b>	Producer USN	Agency No. MN09422
<b>FILTERS AND POWER SUPPLIES—FILTER ACTION, PT 2</b>	Producer USAF	Agency No. TVK 30-300B	<b>HURRICANE HUNTERS</b>	Producer USN	Agency No. TF01-5209
<b>FILTERS AND POWER SUPPLIES—POWER SUPPLY TROUBLESHOOTING</b>	Producer USAF	Agency No. TVK 30-304	<b>IF I WERE YOU</b>	Producer USAF	Agency No. MN04352B
<b>FILTERS AND POWER SUPPLIES—VOLTAGE DOUBLERS</b>	Producer USAF	Agency No. TVK 30-307	<b>IMMEDIATE MAXILLARY ANTERIOR ACRYLIC FIXED BRIDGE WORK IN THE SHOP</b>	Producer USN	Agency No. TVK 30-205
<b>FIRST AID, PT 1, MAJOR WOUNDS AND FRACTURES</b>	Producer USA	Agency No. TF08-2292	<b>INDUCTANCE</b>	Producer USAF	Agency No. TVK 30-206A
<b>FIRST AID, PT 3, BURNS</b>	Producer USA	Agency No. TF08-2588	<b>INDUCTIVE REACTANCE</b>	Producer USAF	Agency No. TVK 30-206B
<b>FLYING THE WEATHER MAP—THE EQUATORIAL FRONT</b>	Producer USN	Agency No. MN03112C	<b>INDUCTIVE REACTANCE</b>	Producer USAF	Agency No. TF19-1847
<b>FLYING THE WEATHER MAP—WEATHER FOR THE NAVIGATOR</b>	Producer USN	Agency No. MN03112A	<b>INDUSTRIAL PLANT PROTECTION</b>	Producer USA	Agency No. TF09-3135
<b>FOOD CONSERVATION—THE DOLLARS AND SENSE OF GOOD EATING</b>	Producer USA	Agency No. TF10-2244	<b>INERT GAS SHIELDED ARC WELDING MACHINE—OPERATION AND MAINTENANCE</b>	Producer USA	Agency No. FN08048A
<b>FOR THOU ART WITH ME</b>	Producer USN	Agency No. MH10278G	<b>INSTRUMENT FLIGHT CONTROL—DIAPHRAGM INSTRUMENTS</b>	Producer USN	Agency No. MN-7360
<b>FULL-WAVE MAGNETIC AMPLIFIER</b>	Producer USAF	Agency No. TVK 30-702	<b>INTERVIEWING PRINCIPLES AND TECHNIQUES</b>	Producer USN	Agency No. TVK 30-525
<b>FULL-WAVE RECTIFIERS—VACUUM TUBE</b>	Producer USAF	Agency No. TVK 30-403	<b>INTRODUCTION TO AMPLITUDE MODULATION</b>	Producer USAF	Agency No. TF11-2552
<b>FUNCTIONAL TEACHING IN ELECTRICITY AND ELECTRONICS</b>	Producer USN	Agency No. MN08050	<b>INTRODUCTION TO AUTOMATIC DATA PROCESSING</b>	Producer USA	Agency No. MN-521
<b>GAS TUBES</b>	Producer USAF	Agency No. TVK 30-429	<b>INTRODUCTION TO DETECTION</b>	Producer USAF	Agency No. TVK 30-608
<b>GRID LIMITER</b>	Producer USAF	Agency No. TVK 30-538	<b>INTRODUCTION TO DISCRIMINATORS</b>	Producer USAF	Agency No. TVK 30-619
<b>GRID NAVIGATION—APPLICATION OF THEORY</b>	Producer USAF	Agency No. TF01-5227B	<b>INTRODUCTION TO HETERODYNING</b>	Producer USAF	Agency No. TVK 30-536
<b>GRID NAVIGATION—INTRODUCTION AND THEORY</b>	Producer USAF	Agency No. TF01-5227A	<b>INTRODUCTION TO LC OSCILLATORS</b>	Producer USAF	Agency No. TVK 30-808
<b>GROUND CONTROLLED APPROACH OF AIRCRAFT—OPERATIONAL PROCEDURE</b>	Producer USN	Agency No. MN06694	<b>INTRODUCTION TO MULTIVIBRATORS</b>	Producer USAF	Agency No. TVK 30-814
<b>GROUND SAFETY ON THE FLIGHT LINE, PT 1</b>	Producer USAF	Agency No. TF01-5047A	<b>INTRODUCTION TO PHANTASTRON</b>	Producer USAF	Agency No. PMF 5348
<b>GROUND SAFETY ON THE FLIGHT LINE, PT 2</b>	Producer USAF	Agency No. TF01-5047B	<b>INTRODUCTION TO PROLONGED ARTIFICIAL VENTILATION</b>	Producer USA	Agency No. PMF-5349
<b>GUARD OF THE SKY—THE NORAD STORY</b>	Producer USAF	Agency No. SFP 0580	<b>INTRODUCTION TO RESPIRATORY AND CARDIAC RESUSCITATION</b>	Producer USA	Agency No. MN09409
<b>HALF-WAVE AND FULL-WAVE RECTIFIERS—VACUUM TUBE</b>	Producer USAF	Agency No. TVK 30-402	<b>INTRODUCTION TO SYNCHROS</b>	Producer USAF	Agency No. TVK 30-706
<b>HELICOPTER—EMERGENCY PROCEDURES, PT 3, EMERGENCY PROCEDURES IN THE H-19</b>	Producer USAF	Agency No. TF01-5102I	<b>KLYSTRONS</b>	Producer USAF	Agency No. TVK 30-910
<b>HELICOPTER MAINTENANCE, PT 3, INTRODUCTION TO POWER TRAINS</b>	Producer USA	Agency No. TF55-2310	<b>LEATHERNECK AMBASSADORS</b>	Producer USN	Agency No. TF11-1837
			<b>LINE-UP PROCEDURES FOR TACTICAL TELEGRAPH CARRIER EQUIPMENT</b>	Producer USA	Agency No. TVK 30-2128
			<b>LISBAJOUS FIGURES</b>	Producer USAF	

MAGNETISM, PT A Producer USAF	Agency No. TVK 30-135A	PARALLEL RESISTIVE CIRCUITS—DC POWER Producer USAF	Agency No. TVK 30-128
MAGNETISM, PT B Producer USAF	Agency No. TVK 30-135B	PARALLEL RESISTIVE CIRCUITS—TROUBLESHOOTING Producer USAF	Agency No. TVK 30-129
MAGNETRON Producer USAF	Agency No. TVK 30-913	PARALLEL RESONANT CIRCUITS Producer USAF	Agency No. TVK 30-229A
MAINTAINING THE HUP SERVICE TYPE HELICOPTER ROTOR SYSTEMS AND RELATED CONTROLS Producer USN	Agency No. FN07397B	PARALLEL RESONANT CIRCUITS Producer USAF	Agency No. TVK 30-229B
MANAGEMENT CONCEPTS FOR CHOPOT MAINTENANCE Producer USAF	Agency No. FTA 0577	PENTODES AND PENTAGRID Producer USAF	Agency No. TVK 30-419
MANAGEMENT IMPROVEMENT—IT'S YOUR BUSINESS Producer USN	Agency No. MN08725	PERCENTAGE OF MODULATION Producer USAF	Agency No. TVK 30-526
MARINE DIESEL ENGINES FOR POWER BOATS Producer USN	Agency No. MN00047	PERFORMANCE COUNSELING Producer USA	Agency No. TF38-3291
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER— AUTOMATIC TYPE SELECTING Producer USN	Agency No. MN 09237B	PHANTASTRON Producer USAF	Agency No. TVK 30-815
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER— FUNCTION MECHANISM Producer USN	Agency No. MN 09237D	PHASE SHIFT OSCILLATOR—VT Producer USAF	Agency No. TVK 30-529
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER— KEYBOARD TRANSMITTING MECHANISM Producer USN	Agency No. MN 09237A	PHYSICAL FITNESS FOR WAVES—MAKEUP FROM THE NECK DOWN Producer USN	Agency No. MN02651
MECHANICAL OPERATION OF THE MODEL 28 TELETYPEWRITER— TYPE BOX POSITIONING MECHANISM Producer USN	Agency No. MN 09237C	PHYSIOLOGY OF HIGH ALTITUDE FLYING Producer USN	Agency No. MN05311
MECHANICAL PACKING ABOARD SHIP Producer USN	Agency No. MN02505	PINLAY ABUTMENTS Producer USA	Agency No. PMF 5374
MILITARY POLICE TRAFFIC CONTROL, PT 4—TRAFFIC CONTROL RECONNAISSANCE Producer USA	Agency No. TF-19-4091	PLANES IN THE SKY, SHIPS IN THE SEA Producer USN	Agency No. MN10853
MILITARY SATELLITE COMMUNICATIONS Producer USAF	Agency No. SFP 1336	PLATE-COUPLED MULTIVIBRATOR—VT Producer USAF	Agency No. TVK 30-809A
MILITARY SEA TRANSPORTATION SERVICE, THE INTRODUCTION Producer USN	Agency No. MN07832A	POWER AND POWER FACTOR Producer USAF	Agency No. TVK 30-218
MILITARY SEA TRANSPORTATION SER' CE, THE TROOP TRANSPORTATION Producer USN	Agency No. MN07832B	POWER SUPPLIES Producer USAF	Agency No. TVK 30-303
MILITARY STEVEDORING, PT 2—SLINGS AND BRIDLES Producer USA	Agency No. TF-55-7171	POWERS OF TEN—DECIMAL CONVERSION AND MULTIPLICATION Producer USAF	Agency No. TVK 30-116A
MONOSTABLE MULTIVIBRATOR—TSTR Producer USAF	Agency No. TVK 30-811	POWERS OF TEN—DIVISION AND PREFIXES Producer USAF	Agency No. TVK 30-116B
MONOSTABLE MULTIVIBRATOR—VT Producer USAF	Agency No. TVK 30-810	PULSE MODULATION Producer USAF	Agency No. TVK 30-802
NAVAL STEAM TURBINES—HOW TURBINES WORK Producer USN	Agency No. MN06732B	PUSH-PULL AMPLIFIER Producer USAF	Agency No. TVK 30-328
NAVAL STEAM TURBINES—TURBINE CASUALTIES Producer USN	Agency No. MN06732C	PUSH-PULL AMPLIFIER Producer USAF	Agency No. TVK 30-416
NAVY AND SCIENCE, THE Producer USN	Agency No. MN 06658	RC TRANSIENTS Producer USAF	Agency No. TVK 30-801
NIGHTMARE FOR THE BOLD Producer USAF	Agency No. TF1-5301	REFLEX KLYSTRON Producer USAF	Agency No. TVK 30-911
OF WINGS AND WOMEN Producer USAF	Agency No. SFP 1226	RELAYS Producer USAF	Agency No. TVK 30-137
OHM'S LAW Producer USAF	Agency No. TVK 30-118	RESISTORS—COLOR CODE Producer USAF	Agency No. TVK 30-109B
OPERATION OF THE GM UNIT INJECTORS Producer USA	Agency No. TF55-2580	RESISTORS—CONSTRUCTION Producer USAF	Agency No. TVK 30-109A
PARALLEL RC, RL, AND RCL CIRCUITS (GRAPHIC SOLUTIONS) Producer USAF	Agency No. TVK 30-222	RESONANT LINES Producer USAF	Agency No. TVK 30-614
PARALLEL RC, RL, AND RCL CIRCUITS (TRIGONOMETRIC SOLUTIONS) Producer USAF	Agency No. TVK 30-224	RESONANT SECTIONS AND MATCHING DEVICES Producer USAF	Agency No. TVK 30-616
PARALLEL RESISTIVE CIRCUITS Producer USAF	Agency No. TVK 30-128A	RF AND IF AMPLIFIERS, PT 1 Producer USAF	Agency No. TVK 30-508
PARALLEL RESISTIVE CIRCUITS—CIRCUIT ANALYSIS Producer USAF	Agency No. TVK 30-126B	RHEOSTATS AND POTENTIOMETERS Producer USAF	Agency No. TVK 30-124
PARALLEL RESISTIVE CIRCUITS—CIRCUIT ANALYSIS Producer USAF	Agency No. TVK 30-126C	RL TRANSIENTS Producer USAF	Agency No. TVK 30-802
SEA POWER—THE SEA IS A SPECIAL PLACE Producer USAF	Agency No. TVK 30-126D	SAFEGUARDING DEFENSE INFORMATION—WHY WE NEED SECURITY Producer USA	Agency No. TF30-3434
		SATURABLE REACTORS Producer USAF	Agency No. TVK 30-701
		SEA POWER—THE SEA IS A SPECIAL PLACE Producer USN	Agency No. MN10385D

SEATBELTS, YOUR LIFE INSURANCE Producer USAF	Agency No FR 0279	TRANSISTOR TETRODES AND FIELD EFFECT TRANSISTORS Producer USAF	Agency No TVK 30-321A
SELF—THE MOBILE AIRFIELD Producer USN	Agency No MH09546B	TRANSISTOR TRIODE CHARACTERISTICS Producer USAF	Agency No TVK 30-319
SERIES-PARALLEL RESISTIVE CIRCUITS—CIRCUIT ANALYSIS Producer USAF	Agency No. TVK 30-131A	TRANSISTOR TRIODES Producer USAF	Agency No TVK 30-309
SERIES RC, RL, AND RCL CIRCUITS Producer USAF	Agency No TVK 30-214	TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES—BIAS II Producer USAF	Agency No TVK30-312
SERIES RC, RL, AND RCL CIRCUITS—TRIGONOMETRIC SOLUTIONS Producer USAF	Agency No TVK 30-216	TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES— COMMON-BASE CONFIGURATIONS Producer USAF	Agency No. TVK30-316
SERIES RCL QUALITY AND SELECTIVITY Producer USAF	Agency No. TVK 30-221	TRANSISTOR TRIODES COMMON Emitter CONFIGURATION Producer USAF	Agency No. TVK30-317
SERIES RESISTIVE CIRCUITS—DC POWER Producer USAF	Agency No. TVK 30-121	TRANSISTOR TRIODES AND SPECIAL PURPOSE DEVICES— OPERATION Producer USAF	Agency No. TVK30-314
SERIES RESISTIVE CIRCUITS—TROUBLESHOOTING Producer USAF	Agency No TVK 30-122	TRANSISTORIZED HARTLEY OSCILLATOR Producer USAF	Agency No. TVK 30-519
SERIES RESONANT CIRCUITS Producer USAF	Agency No. TVK 30-220	TRANSISTORIZED REGULATED POWER SUPPLY Producer USAF	Agency No. TVK 30-100
SERVO ANALYSIS Producer USAF	Agency No. TVK 30-709	TRANSMISSION SECURITY Producer USN	Agency No. MN 2621D
SHADES OF GRAY Producer USA	Agency No. PMF 5047	TRANSPORTATION OF THE SICK AND WOUNDED Producer USA	Agency No. TF08-3485
SHOCK EXCITED OSCILLATOR Producer USAF	Agency No. TVK 30-807	TRAPEZOIDAL SWEEP GENERATOR—VT Producer USAF	Agency No. TVK 30-819
SHUNT HARTLEY OSCILLATOR—VT Producer USAF	Agency No. TVK 30-518	TRAVELING WAVE TUBE Producer USAF	Agancy No. TVK 30-912
SILENT SENTINEL Producer USN	Agency No. MN08439	TRIODE LIMITERS Producer USAF	Agency No. TVK 30-504
SIMPLE EQUATIONS Producer USAF	Agency No. TVK 30-117A	TRIODE VACUUM TUBES—CONSTRUCTION AND CHARACTERISTICS Producer USAF	Agency No. TVK 30-407
SIMPLE EQUATIONS—FRACTIONS Producer USAF	Agency No. TVK 30-117B	TT-47/UG TELETYPEWRITER—PREVENTIVE MAINTENANCE Producer USN	Agency No. FN 7467C
SIMPLE VOLTAGE REGULATORS Producer USAF	Agency No. TVK 30-430	TUNED BASE OSCILLATOR Producer USAF	Agency No. TVK 30-515
SOLID STATE PRINCIPLES Producer USAF	Agency No. TVK 30-231	TUNED PLATE OSCILLATOR Producer USAF	Agency No. TVK 30-516
SONIC BOOM—THUNDER FROM THE BLUE SKIES Producer USAF	Agency No. SFP 1215	UNIJUNCTION SAWTOOTH GENERATOR Producer USAF	Agency No. TVK 30-817
SPECIAL PURPOSE TUBES—REMOTE CUTOFF AND BEAM POWER TUBES Producer USAF	Agency No. TVK 30-422	UNIJUNCTION TRANSISTOR AND TUNNEL DIODE Producer USAF	Agency No. TVK 30-321B
SPEECH READING Producer USA	Agency No. TF08-1708	USE OF AMMETER Producer USAF	Agency No. TVK 30-114
SPLENOGRAPHY Producer USA	Agency No. PMF 5343	USE OF OHMMETER Producer USAF	Agency No. TVK 30-112
STANDARDIZATION Producer USN	Agency No. MN08084	USE OF SOLDERING COPPERS, THE Producer USN	Agency No. MN 07831.
STANDARDIZATION—ENGINEERING PLANNING Producer USN	Agency No. MN08084B	USE OF THE PROBLEM IN TEACHING Producer USAF	Agency No. TF01-5255
STOWAWAY, PT 1, DISEASE AND PERSONAL HYGIENE Producer USA	Agency No. TF08-1501	USE OF VOLTMETER Producer USAF	Agency No. TVK 30-113
STOWAWAY, PT 2, GALLEY SANITATION Producer USA	Agency No. TF08-1502	USES OF RESONANT SECTIONS Producer USAF	Agency No. TVK 30-617
SYNCHROSCOPE Producer USAF	Agency No. TVK 30-618	VACUUM TUBES Producer USN	Agency No: SN00650
TEACHING BY GUIDED DISCUSSION Producer USAF	Agency No. TF1-5210	VACUUM TUBES—BIAS IN TRIODES Producer USAF	Agency No. TVK 30-408
TERAPEUTIC EXERCISE—ORTHOPEDICS Producer USA	Agency No. PMF-5051	VACUUM TUBES—TRIODE AND MULTIPURPOSE TUBES Producer USAF	Agency No. TF01-0471
THYRATRON SAWTOOTH GENERATOR Producer USAF	Agency No. TVK 30-818	VACUUM TUBES—TRIODES—CATHODE SELF BIAS Producer USAF	Agency No. TVK 30-409
TO HEAR AGAIN Producer USA	Agency No. PMF 5052	VACUUM TUBES—TRIODES—GRID LEAK BIAS Producer USAF	Agency No. TVK 30-4.0
TRANSFORMERS Producer USAF	Agency No. TVK 30-207	VERMILONECTOMY Producer USA	Agency No. PMF-5460
TRANSISTOR FM DETECTOR Producer USAF	Agency No. TVK 30-622	VIBRATION PROBLEMS IN THE DESIGN OF SHIPBOARD- ELECTRONIC EQUIPMENT Producer USN	Agency No. MN08681B
TRANSISTOR FM OSCILLATOR Producer USAF	Agency No. TVK 30-607		

**VIBRATORS**  
Producer USAF  
**VIDEO AMPLIFIER**  
Producer USAF  
**VIDEO AMPLIFIERS**  
Producer USAF  
**VISUAL FLIGHT RULES**  
Producer USN  
**VOLTAGE DIVIDERS**  
Producer USAF  
**VOLTAGE DOUBLER**  
Producer USAF

Agency No. TVK 30-138  
Agency No. TVK 30-329  
Agency No. TVK 30-421  
Agency No. MN06914  
Agency No. TVK 30-123  
Agency No. TVK 30-405

**VOLTAGE REGULATORS**  
Producer USAF  
**VOLTAIC CELL, DRY CELL, AND STORAGE BATTERY**  
Producer USA  
**WAVEGUIDE PLUMBING**  
Producer USAF  
**WAVEGUIDES**  
Producer USAF  
**WAVESHAPING NETWORKS**  
Producer USAF  
**WEIN BRIDGE OSCILLATOR**  
Producer USAF

Agency No. TVK 30-331  
Agency No. TF11-1187  
Agency No. TVK 30-906  
Agency No. TVK 30-905  
Agency No. TVK 30-803  
Agency No. TVK 30-534